

# **NIGERIA NEW EDUCATION CURRICULUM, 2025**

## **COMPLETE SCHEME *of* WORK**

**JSS 1 – 3  
&  
SSS 1 – 3**

**Updated  
with the new  
FG/NERDC  
Curriculum**

**NIGERIAN EDUCATIONAL RESEARCH AND DEVELOPMENT COUNCIL  
(NERDC)**

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# **JUNIOR SECONDARY ONE SCHEME OF WORK (NEW NERDC SCHEME)**

1. English Studies
2. Mathematics
3. Physical and Health Education
4. Christian Religious Studies
5. Islamic Studies
6. Nigerian History
7. Social and Citizenship Studies
8. Cultural and Creative Arts (CCA)
9. French
10. Intermediate Science
11. Digital Technologies
12. Business Studies
13. Trade Subjects

**JSS1 ENGLISH STUDIES SCHEME OF WORK**

**FIRST TERM**

<b>Week</b>	<b>Speech Work</b>	<b>Grammar</b>	<b>Reading &amp; Comprehension</b>	<b>Composition</b>	<b>Literature in English</b>
1	Introduction to Speech; Organs of Speech	Parts of Speech; Nouns – Meaning; Types of Nouns with examples	The Family (use any recommended JSS1 text); Vocabulary – Introduction to Language Skills (LSRW)	Meaning of Composition; Types – Narrative, Descriptive, Argumentative, Expository	What is Literature?
2	Pure Vowel Sounds (Monothongs) with examples	Pronouns – Meaning, Identification, Types	Reading Strategies	Elements of Composition – Introduction, Body, Conclusion	Features of Literature; Types – Oral, Historical, Dance Drama, Miming (with reference to texts)
3	Vowel Sound /i:/	Verbs – Definition, Identification; Types – Transitive, Intransitive, Regular, Irregular, Auxiliary, Lexical	SPQ3R Technique – Survey, Preview, Question, Recite, Recall, Review; Vocabulary – Members of the Family	Elements of Composition – Introduction, Body, Conclusion	Purpose/Functions of Literature; Introduction to Prose (use recommended text)
4	Vowel Sound /i/	Verbs (continued) – Types and Functions	Identifying Main and Supporting Ideas; Vocabulary – Your School Subjects	Differences between Descriptive and Narrative Essays	Elements of Prose – Plot, Style, Characterization; Types of Oral Literature
5	<b>Midterm Examination</b>	<b>Midterm Examination</b>	<b>Midterm Examination</b>	<b>Midterm Examination</b>	<b>Midterm Examination</b>
6	Vowel Sound /e/	Adjectives – Definition, Types; Comparison of Adjectives (Absolute etc.)	Differentiating Main Ideas from Supporting Ideas in a passage	Paragraph Writing – Logical sequence with Introduction & Conclusion	Introduction to Drama; Types & Elements of Drama; Characterization & Themes in recommended prose text

7	Midterm Break	Midterm Break	Midterm Break	Midterm Break	Midterm Break
8	Vowel Sound /æ/	Adverbs – Definition, Identification, Types (with examples)	Reading to answer specific questions (Interpretation & Projection levels)	Descriptive Essay – <i>A Market Place</i>	Introduction to Drama; Types & Elements; Characterization & Themes in recommended prose text
9	Vowel Sound /a:/	Prepositions – Definition, Identification, Types & Functions	Applying SPQ3R to a given passage	Letter Writing – Introduction and Types	Folktales – Introduction, Definition, Types; Narration of a Folktale; Recommended Drama Text – Plot & Setting
10	Vowel Sound /p/	Conjunctions – Definition, Types (Subordinating & Coordinating), Functions	Asking questions to cover all comprehension levels ( <i>who, where, when, why, how, what</i> )	Features of an Informal Letter	Recommended Drama Text; Introduction to Figures of Speech – Simile, Metaphor, Irony
11	Vowel Sound /ɔ:/	Adverbials – Features, Functions, Types	Asking specific questions to elicit student opinions	Informal Letter – Features	Recommended Drama Text; Figures of Speech – Simile, Metaphor, Irony
12	–	–	–	–	Revision & Examination – Review of texts; Informal Letter (e.g., to cousin about new school); Figures of Speech
13	–	–	–	–	Closing

**JSS1 ENGLISH STUDIES SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Speech Work</b>	<b>Grammar</b>	<b>Reading &amp; Comprehension</b>	<b>Composition</b>	<b>Literature in English</b>
1	Vowel Sounds /u/ and /u:/	Adverbials – Frequency and Manner	Asking specific questions requiring conclusions	Formal Letter – Features; Writing to principal for permission	Folktales – African Tales (Features: didactic, entertainment, magical); Recommended prose text
2	Vowel Sound /u:/	Tenses – Simple Present Tense	Asking projection questions; Vocabulary – The Library	Formal Letter – To the school authority	Introduction to Poetry – Definition, Features (concise, unique, etc.); Recommended prose text
3	Vowel Sound /ɑ:/	Tenses – Simple Past Tense	Asking recall questions; Vocabulary – Marriage-related words	Guided Composition – <i>The Federal Road Safety Commission</i>	Poetry – Types (Epic, Lyric, etc.); Oral vs Written Poetry
4	Vowel Sound /ɜ:/	Tenses – Present Continuous Tense	Reading to understand Author's mood (anger, doubt, joy, etc.)	Narrative Essay – <i>The Most Memorable Day of My Life</i>	Drama – Features (Theme, Costumes, Audience, etc.); Identifying features of drama in a text
5	<b>Midterm Examination</b>	<b>Midterm Examination</b>	<b>Midterm Examination</b>	<b>Midterm Examination</b>	<b>Midterm Examination</b>
6	Vowel Sound /ə/	Tenses – Past Continuous Tense	Reading between the lines to detect Author's attitude; Vocabulary – Child Labour/Trafficking	Argumentative Essay – <i>Road Transportation is Safer than Air</i>	Recommended prose text
7	<b>Midterm Break</b>	<b>Midterm Break</b>	<b>Midterm Break</b>	<b>Midterm Break</b>	<b>Midterm Break</b>

8	Vowel Contrasts: /ɒ/ vs /ɔ:/ ( <i>hot/port</i> ); /ɑ:/ vs /æ/ ( <i>bag/part</i> )	Making sentences with Simple Present & Simple Past Tenses	Reading to identify overall impression from author's style	Expository Essay – <i>HIV/AIDS</i>	Myths and Legends – Comparing Myths and Legends; Recommended drama text
9	Vowel Contrasts: /e/ vs /ɜ:/ ( <i>egg/burn, pet/shirt</i> )	Future Tense – Simple Future (will, shall)	Reading to interpret diagrams, maps, sketches; Vocabulary – Word formation (prefixes)	Argumentative Essay – Arranging ideas in logical sequence	Myths and Legends – Features (magic, superstition, etc.); Recommended drama text
10	Introduction to Diphthongs	Making sentences with Simple Past Tense	Reading to identify how diagrams/maps clarify text	Guided Composition – <i>A Festival in My Village</i>	Dramatization of scenes from recommended drama text; Review of recommended texts
11	–	–	–	General Revision	General Revision
12	–	–	–	End of Term Examination	End of Term Examination
13	–	–	–	Closing	Closing

**JSS1 ENGLISH STUDIES SCHEME OF WORK**

**THIRD TERM**

<b>Week</b>	<b>Speech Work</b>	<b>Grammar</b>	<b>Reading &amp; Comprehension</b>	<b>Composition</b>	<b>Literature in English</b>
1	Diphthongs: /ei/ (place) /oo/ (home) /aʊ/ (mouse) /iə/ (clear) /eə/ (care) /ɔi/ (boy) /ai/ (find) /ʊə/ (tour)	Introduction to Active and Passive Voice	Reading to make meaning from spatial description; Vocabulary – Air Transport	Introduction to Expository Essay	Recommended prose text – Themes and Characterization
2	Identification of Diphthongs in words (/eə/ in <i>Mary</i> , /ɔi/ in <i>boil</i> )	Highlighting Active Voice	Identifying appropriate introductions and conclusions; Vocabulary – Fishing words	Elements of Writing (continued)	Recommended prose text – Setting/Plot
3	Introduction to Consonant Sounds	Use of Passive Voice with examples	Identifying keywords in passages that signal direction; Vocabulary – Kitchen words	Expository Essay – <i>The Ebola Virus</i>	Poetry – Identifying language in a selected poem
4	Syllables – Words of two, three, four syllables	Exercises on Active Voice	Making meaning from spatial description; Vocabulary – Words from the sick bay	Argumentative Essay – <i>Tribalism is a lesser evil than Cultism</i>	Myths/Legends – Identifying moral lessons; Recommended drama text
5	<b>Midterm Examination</b>	<b>Midterm Examination</b>	<b>Midterm Examination</b>	<b>Midterm Examination</b>	<b>Midterm Examination</b>
6	Syllables (continued)	Exercises on Passive Voice	Reading comprehension practice; Vocabulary – Cooking words	Argumentative Essay – <i>Cultism erodes traditional values</i>	Poetry – Meaning of selected poem; Identification of figures of speech

7	Midterm Break	Midterm Break	Midterm Break	Midterm Break	Midterm Break
8	Consonant Clusters ( <i>asks, school, thrive, please, respect</i> )	Statements and Tag Questions	Identifying topic sentences; Vocabulary – Teaching words	Differences between Argumentative & Expository Essays	Recommended drama text – Write a short play or story
9	Word Boundaries – Linking sounds ( <i>matter of fact, bread and butter, poor and blind</i> )	Differentiating between Polar and Tag Questions	Reading comprehension practice; Vocabulary – Spelling drills	Expository Essay – <i>How to Plant Trees</i>	Recommended drama text – Using similes and metaphors in sentences
10	Contrasting diphthongs /ei/ vs /iə/ ( <i>date / here</i> ), ( <i>late / cheer</i> )	Exercise on Adverbials	Reading comprehension practice; Vocabulary – Spelling drills (continued)	Oral Composition – <i>School Rules</i>	Dramatization of scenes from drama text; Turning similes to metaphors and vice versa
11	Contrasting /ʊə/ vs /oʊ/ ( <i>tour / pole</i> )	Revision – Nouns, Pronouns, Verbs, Adjectives	Reading for Evaluation	Revision of all essay types	Figures of Speech – Euphemism and Pun
12	–	–	–	End of Term Examination	End of Term Examination
13	–	–	–	Closing	Closing

## JSS 1 MATHEMATICS SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Whole Numbers	Place value, ordering, and properties of whole numbers.
2	LCM (Least Common Multiple)	Finding LCM using multiples and prime factorization.
3	HCF (Highest Common Factor)	Finding HCF using factorization methods.
4	Counting in Base 2	Introduction to the binary number system.
5	Midterm Exams	–
6	Conversion of Numbers	Conversion of Base 10 numerals to binary numbers (step-by-step).
7	Midterm Break	–
8	Fractions I	Types of fractions (proper, improper, mixed), simplification.
9	Fractions II	Equivalent fractions, comparison of fractions.
10	Basic Operations on Whole Numbers	Addition, subtraction, multiplication, and division.
11–13	Revision & Exams	–

## JSS 1 MATHEMATICS SCHEME OF WORK

### SECOND TERM

Week	Topic	Content
1	Addition & Subtraction of Fractions	With the same and different denominators.
2	Multiplication & Division of Fractions	Solving real-life problems with fractions.
3	Estimation & Approximation	Rounding off numbers, significant figures.
4	Numbers in Base 2 – Addition	Binary addition rules.
5	Midterm Exams	–
6	Numbers in Base 2 – Subtraction	Binary subtraction rules.
7	Midterm Break	–
8	Numbers in Base 2 – Multiplication	Binary multiplication rules.
9	Algebraic Processes I	Use of symbols, coefficients, and algebraic expressions.
10	Simplification of Algebraic Expressions	Expanding brackets, collecting like terms.
11–13	Revision & Exams	–

## JSS 1 MATHEMATICS SCHEME OF WORK

### THIRD TERM

Week	Topic	Content
1	Simple Equations	Solving one-variable linear equations.
2	Plane Shapes	Properties of triangles, quadrilaterals, and circles.
3	Three-Dimensional Figures	Cubes, cuboids, cylinders, spheres, and cones.
4	Constructions	Basic geometric constructions using ruler and compass.
5	Midterm Exams	–
6	Angles	Types of angles, angle sum properties of triangles & quadrilaterals.
7	Midterm Break	–
8	Everyday Statistics I	Need for statistics, importance in daily life.
9	Everyday Statistics II	Methods of data collection.
10	Everyday Statistics III	Data presentation: tables, bar charts, pie charts.
11–13	Revision & Exams	–

## JSS1 PHYSICAL AND HEALTH EDUCATION SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Meaning of Physical Fitness	Definition of physical fitness; difference between fitness and health
2	Components of Physical Fitness	Strength, endurance, flexibility, agility, speed, balance, coordination
3	Characteristics of a Physically Fit Person	Features such as stamina, resistance to illness, alertness, efficiency
4	Importance of Physical Fitness	Benefits: health promotion, body development, productivity, prevention of diseases
5	<b>Midterm Exams</b>	—
6	Exercises to Develop Strength, Endurance and Flexibility	Examples: push-ups, sit-ups, squats, jogging, stretching, rope skipping
7	<b>Midterm Break</b>	—
8	Safety Precautions while Performing Exercises	Warm-up, cool-down, hydration, use of proper kits, avoiding overstrain
9	Meaning of Recreation, Leisure and Dance	Definitions with examples of recreational and leisure activities
10	Differences between Dance, Leisure and Recreation	Distinct features and examples of each
11	<b>Revision</b>	—
12	<b>Examination</b>	—
13	<b>Closing</b>	—

**JSS1 PHYSICAL AND HEALTH EDUCATION SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Benefits of Recreation and Dance	Physical, mental, emotional, and social benefits
2	Athletics – Shot-Put (Basic Skills and Techniques)	Grip, stance, holding and releasing the shot
3	Athletics – Execution of Shot-Put Techniques	Glide and rotational techniques, rules of performance
4	Athletics – Discus Throw (Basic Skills and Techniques)	Holding, swinging, and throwing the discus
5	<b>Midterm Exams</b>	—
6	Execution of Discus Throw Techniques	Body positioning, release and follow-through
7	<b>Midterm Break</b>	—
8	Rules Governing Shot-Put and Discus Throw	Regulations, fouls, measuring of throws
9	Safety Measures in Track and Field Events	Injury prevention, proper supervision, use of facilities
10	Football	Basic rules, skills (passing, dribbling, shooting), team play, safety measures
11	<b>Revision</b>	—
12	<b>Examination</b>	—
13	<b>Closing</b>	—

## JSS1 PHYSICAL AND HEALTH EDUCATION SCHEME OF WORK

### THIRD TERM

Week	Topic	Content
1	Volleyball	Basic rules, skills (serving, passing, spiking), team play, safety measures
2	Contact and Non-Contact Sports – Meaning	Explanation with examples
3	Contact and Non-Contact Sports – Types	Examples: football, boxing, rugby (contact); tennis, badminton, athletics (non-contact)
4	Benefits of Contact and Non-Contact Sports	Physical fitness, social interaction, discipline, teamwork
5	<b>Midterm Exams</b>	—
6	Basic Skills and Techniques in Contact and Non-Contact Sports	Tackling, blocking, dodging, passing, coordination
7	<b>Midterm Break</b>	—
8	Safety Measures in Contact and Non-Contact Sports	First aid, use of protective equipment, fair play
9	Personal, School and Community Health – Determinants of Health	Factors: heredity, environment, lifestyle, healthcare
10	Characteristics of a Healthy Person	Signs of good health (physical, mental, emotional, social well-being)
11	<b>Revision</b>	—
12	<b>Examination</b>	—
13	<b>Closing</b>	—

**JSS 1 CHRISTIAN RELIGIOUS STUDIES (CRS) SCHEME OF WORK**

**FIRST TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	God and His Creation	Who is God? (Gen. 1:1; Jer. 10:12)
2	The Creation Story	Biblical account of creation in Genesis 1
3	The Creation of Man and Woman	Genesis 2:4-24
4	Purpose of Creation	Reasons why God created human beings; Songs about creation
5	<b>Midterm Examinations</b>	–
6	Marriage	Meaning of marriage (Gen. 2:22-25); Functions of marriage (Eph. 5:21-31)
7	<b>Midterm Break</b>	–
8	Marriage II	Types of marriage; Importance of marriage
9	Disobedience I	Meaning of disobedience; Adam & Eve's disobedience (Gen. 3:1-19)
10	Disobedience II	Consequences of Adam & Eve's disobedience; Human disobedience and national disobedience
11-13	<b>Revision, Examinations &amp; Closing</b>	–

**JSS 1 CHRISTIAN RELIGIOUS STUDIES (CRS) SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Call to Repentance I	Meaning of repentance; King David's repentance (2 Sam. 12:7-13; Psalm 51)
2	Call to Repentance II	The people of Nineveh repent (Jonah 3:1-10)
3	Call to Repentance III	John the Baptist calls for repentance (Luke 3:1-14)
4	Call to Repentance IV	Jesus commends Zacchaeus (Luke 19:8); Consequences of lack of repentance (1 Sam. 3:18; 4:10-21)
5	<b>Midterm Examinations</b>	–
6	Call to Obedience I	Meaning of obedience; Abraham obeys God's call (Gen. 12:1-9)
7	<b>Midterm Break</b>	–
8	Call to Obedience II	Abraham's blessings (Gen. 17:1-21); Abraham's sacrifice of Isaac (Gen. 21:1-8; 22:1-19)
9	Call to Service I	Meaning of service; Joseph's and Ruth's examples (Gen. 37:12-36; 41:37-57; Ruth 1:15; 2:7-18)
10	Call to Service II	Lessons from Joseph & Ruth; Life in God's service (1 Pet. 2:18-25); Problems in service; Call to service
11-13	<b>Revision, Examinations &amp; Closing</b>	–

## JSS 1 CHRISTIAN RELIGIOUS STUDIES (CRS) SCHEME OF WORK

### THIRD TERM

Week	Topic	Content
1	Relationship in the Family I	Meaning and types of family; Recognition of family members
2	Relationship in the Family II	Roles of family members (Eph. 6:1-9; Col. 3:18-21; 1 Pet. 3:1-7)
3	Relationship in the Family III	Concept of a good family name (Prov. 22:1; Ecc. 7:1)
4	Relationship in the School I	Names of members of the school; Choosing friends in school
5	<b>Midterm Examinations</b>	–
6	Relationship in the School II	Biblical examples of friendship (1 Sam. 18:1-5; Luke 11:5-13)
7	<b>Midterm Break</b>	–
8	Relationship in the School III	Importance of good friends; Consequences of bad friends (Prov. 1:10-12; 2 Thess. 3:6-13)
9	Relationship in the Community I	Community leaders; Ways of sustaining relationships in the community
10	Relationship in the Church	Relationship in the church; Importance of fellowship and unity
11–13	<b>Revision, Examinations &amp; Closing</b>	–

## JSS 1 ISLAMIC RELIGIOUS STUDIES (IRS) SCHEME OF WORK

### FIRST TERM

Week	Topic	Breakdown (Subtopics)
1	Introduction to the Qur'an	<ul style="list-style-type: none"> <li>• Meaning and importance of the Qur'an</li> <li>• Revelation and preservation of the Qur'an</li> <li>• Difference between the Qur'an and Hadith</li> </ul>
2	Qur'anic Recitation: <i>Suratul Tariq</i> (Q86:1–17)	<ul style="list-style-type: none"> <li>• Recitation and memorization</li> <li>• Translation and interpretation</li> <li>• Lessons on Allah's power and human accountability</li> </ul>
3	Qur'anic Recitation: <i>Suratul Buruj</i> (Q85:1–22)	<ul style="list-style-type: none"> <li>• Recitation and memorization</li> <li>• Explanation of meanings</li> <li>• Lessons on patience and steadfastness</li> </ul>
4	Qur'anic Recitation: <i>Suratul Inshiqaq</i> (Q84:1–25)	<ul style="list-style-type: none"> <li>• Recitation and memorization</li> <li>• Explanation of meanings</li> <li>• Lessons on judgment and the Hereafter</li> </ul>
5	<b>MID-TERM EXAMINATION</b>	<b>Assessment of Qur'anic Recitation and Interpretation (Surahs 84–86)</b>
6	Introduction to Tajwid	<ul style="list-style-type: none"> <li>• Meaning and importance of Tajwid</li> <li>• Rules of pronunciation and fluency</li> <li>• Common errors in recitation</li> </ul>
7	<b>MID-TERM BREAK</b>	<b>Holiday/Rest</b>
8	Rules of Nun Sakinah and Tanwin	<ul style="list-style-type: none"> <li>• Idgham, Ikhfa, Izhar, Iqlab</li> <li>• Examples from the Qur'an</li> <li>• Class recitation practice</li> </ul>
9	Rules of Mim Sakinah	<ul style="list-style-type: none"> <li>• Idgham Shafawi, Ikhfa Shafawi, Izhar Shafawi</li> <li>• Practical exercises using selected verses</li> </ul>
10	Importance of Tajwid	<ul style="list-style-type: none"> <li>• Benefits of correct recitation</li> <li>• Role of Tajwid in preserving the Qur'an</li> </ul>
11	<b>REVISION</b>	Comprehensive review of Surahs and Tajwid rules
12	<b>EXAMINATION</b>	End of Term Assessment
13	<b>CLOSING/VACATION</b>	Term ends

## JSS 1 ISLAMIC RELIGIOUS STUDIES (IRS) SCHEME OF WORK

### SECOND TERM

Week	Topic	Breakdown (Subtopics)
1	Introduction to Hadith	• Meaning and significance • Difference between Hadith and Sunnah • Preservation of Hadith
2	<i>Hadith No. 11</i> (An-Nawawi Collection)	• Text, translation, and interpretation • Lessons on good manners and sincerity
3	<i>Hadith Nos. 12–13</i>	• Explanation of purity, faith, and humility • Moral lessons from Hadith
4	<i>Hadith Nos. 14–15</i>	• Translation and application in daily life • Moral lessons on discipline and honesty
5	<b>MID-TERM EXAMINATION</b>	<b>Assessment on Hadith Nos. 11–15</b>
6	Healthy Social Relationships in Islam	• Meaning and importance • Islamic teachings on kindness, cooperation, and unity
7	<b>MID-TERM BREAK</b>	<b>Holiday/Rest</b>
8	Corruption in Islam	• Meaning, forms, and dangers • Islamic stance on corruption • Role of honesty and accountability
9	Spirituality and Essence of Man's Creation	• Purpose of creation • Spiritual growth and worship • Duties of man on earth
10	Application of Islamic Ethics	• Practical examples of honesty, justice, and compassion
11	<b>REVISION</b>	Comprehensive review of Hadith and Tahdhib lessons
12	<b>EXAMINATION</b>	End of Term Assessment
13	<b>CLOSING/VACATION</b>	Term ends

## JSS 1 ISLAMIC RELIGIOUS STUDIES (IRS) SCHEME OF WORK

### THIRD TERM

Week	Topic	Breakdown (Subtopics)
1	Introduction to Fiqh	• Meaning and sources of Islamic Law• Importance of Fiqh in Muslim life
2	Supererogatory Prayers (Nawafil)	• Meaning and examples• Benefits of voluntary prayers
3	Prohibited Prayer Times	• Times when prayers are not allowed• Exceptions and significance
4	Fundamental Principles of Iman	• Meaning of Iman (faith)• Six Articles of Faith• Importance in Muslim life
5	<b>MID-TERM EXAMINATION</b>	<b>Assessment on Fiqh and Iman</b>
6	Faith and Good Deeds	• Relationship between belief and action• Avoiding hypocrisy
7	<b>MID-TERM BREAK</b>	<b>Holiday/Rest</b>
8	Application of Faith	• Living a faithful life through honesty, prayer, and service
9	Review of Qur'an and Hadith	• Integration of faith and practice• Recitation exercises
10	Ethical Conduct in Islam	• Modesty, patience, and truthfulness
11	<b>REVISION</b>	Comprehensive review of Fiqh, Iman, and ethics
12	<b>EXAMINATION</b>	End of Term Assessment
13	<b>CLOSING/VACATION</b>	Term ends

## JSS1 NIGERIAN HISTORY SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Introduction to History	Meaning; Importance; Sources of Nigerian history (oral, written, archaeology, artifacts, traditions)
2	Nigerian Peoples and Languages	Major ethnic groups and their locations; Languages and diversity
3	Early Settlements in Nigeria	Nok culture, Igbo-Ukwu, Ife, Benin
4	Origins of Nigerian Societies	Myths of origin (Yoruba, Hausa, Igbo, others)
5	Midterm Test	–
6	Traditional Political Systems I	Yoruba kingdoms (Oyo, Ife); Igbo village democracy
7	Midterm Break	–
8	Traditional Political Systems II	Hausa/Fulani emirate system; Kanem-Bornu empire
9	Nigerian Art and Culture	Traditional art forms; Festivals; Cultural identity
10	Early Trade and Exchange	Local trade; Trans-Saharan trade; Trade routes
11	Revision	–
12	Examination	–
13	Closing	–

## JSS1 NIGERIAN HISTORY SCHEME OF WORK

### SECOND TERM

Week	Topic	Content
1	Islam in Nigeria	Introduction; Spread; Impact on society
2	Christianity in Nigeria	Introduction; Spread; Impact on society
3	European Contact with Nigeria	Portuguese arrival; Missionaries; Traders
4	Trans-Atlantic Slave Trade	Meaning; Causes; Effects on Nigeria
5	Midterm Test	–
6	Abolition of Slave Trade	Humanitarian movements; British involvement
7	Midterm Break	–
8	Legitimate Trade	Palm oil trade; Economic effects
9	British Conquest of Nigerian Territories	Methods of conquest; Resistance by Nigerian states
10	Amalgamation of 1914	Reasons; Impact
11	Revision	–
12	Examination	–
13	Closing	–

## JSS1 NIGERIAN HISTORY SCHEME OF WORK

### THIRD TERM

Week	Topic	Content
1	Colonial Administration	Indirect rule; Direct rule; Examples in Nigeria
2	Reactions to Colonialism I	Resistance by Benin, Ekumeku, Satiru
3	Reactions to Colonialism II	Resistance by Sokoto Caliphate, Tiv, Igbo
4	Education in Colonial Nigeria	Missionary education; Western schools; Effects
5	Midterm Test	–
6	Nationalism in Nigeria I	Early nationalist leaders (Herbert Macaulay, Nnamdi Azikiwe)
7	Midterm Break	–
8	Nationalism in Nigeria II	Obafemi Awolowo, Ahmadu Bello, Anthony Enahoro
9	Nigerian Newspapers and Nationalism	Role of press in independence struggle
10	Road to Independence	Constitutional developments (Clifford, Richards, Macpherson, Lyttleton)
11	Revision	–
12	Examination	–
13	Closing	–

## JSS1 SOCIAL AND CITIZENSHIP STUDIES

### FIRST TERM

Week	Topic	Breakdown (Subtopics)
1	<b>Citizenship</b>	• Meaning of citizenship• Ways of becoming a citizen• Importance of being a good citizen• Qualities of a responsible citizen
2	<b>Rights and Duties of Citizens</b>	• Fundamental human rights• Duties and obligations of citizens• Relationship between rights and duties• Consequences of neglecting civic duties
3	<b>Family as a Primary Social Group</b>	• Meaning and types of family• Roles and responsibilities of family members• Importance of family in social development• Respect and cooperation within the family
4	<b>Culture and Identity</b>	• Meaning of culture and identity• Elements of culture (language, food, dressing, religion, values)• Cultural similarities and differences• Promoting unity in diversity
5	<b>MID-TERM EXAMINATION</b>	Assessment of Weeks 1–4
6	<b>Socialization</b>	• Meaning and agents of socialization• Family, school, religion, peer group, media as agents• Importance of socialization• Effects of poor socialization
7	<b>MID-TERM BREAK</b>	Holiday/Rest
8	<b>Social Conflict</b>	• Meaning and causes of social conflict• Effects of conflict on individuals and society• Ways of resolving conflicts• Importance of tolerance and forgiveness
9	<b>Peace Education</b>	• Meaning and importance of peace• Values that promote peace: honesty, fairness, respect• Peaceful coexistence in the community• Activities that promote peace in schools and society
10	<b>Conflict Prevention and Resolution</b>	• Meaning of conflict prevention• Strategies for preventing conflict• Steps in conflict resolution• Role of government and community leaders
11	<b>REVISION</b>	Review of all topics: Citizenship, culture, peace, and conflict resolution
12	<b>EXAMINATION</b>	End of Term Assessment
13	<b>CLOSING/VACATION</b>	Term ends

**JSS1 SOCIAL AND CITIZENSHIP STUDIES**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Breakdown (Subtopics)</b>
1	<b>Environment and Sustainability</b>	<ul style="list-style-type: none"><li>• Meaning of environment</li><li>• Importance of caring for the environment</li><li>• Environmental problems (pollution, deforestation, erosion)</li><li>• Ways to ensure environmental sustainability</li></ul>
2	<b>Climate Change</b>	<ul style="list-style-type: none"><li>• Meaning of climate change</li><li>• Causes and effects of climate change</li><li>• Role of individuals in reducing climate change</li><li>• Adaptation and mitigation measures</li></ul>
3	<b>Disaster Risk Reduction</b>	<ul style="list-style-type: none"><li>• Meaning of disaster and risk reduction</li><li>• Types of disasters: flood, fire, epidemic</li><li>• Prevention and preparedness</li><li>• Role of government and agencies</li></ul>
4	<b>Disaster Forecasting and Early Warning Signs</b>	<ul style="list-style-type: none"><li>• Meaning of forecasting</li><li>• Importance of early warning systems</li><li>• Identifying early signs of disasters</li><li>• Actions to take during warnings</li></ul>
5	<b>MID-TERM EXAMINATION</b>	Assessment of Weeks 1–4
6	<b>Environmental Protection</b>	<ul style="list-style-type: none"><li>• Meaning and importance of protecting the environment</li><li>• Simple environmental protection practices</li><li>• Government and NGOs involved in environmental protection</li><li>• Community involvement in environmental sanitation</li></ul>
7	<b>MID-TERM BREAK</b>	Holiday/Rest
8	<b>Response to Epidemics</b>	<ul style="list-style-type: none"><li>• Meaning of epidemic and pandemic</li><li>• Examples of epidemics (cholera, COVID-19, malaria)</li><li>• Causes and prevention</li><li>• Personal and public health measures</li></ul>
9	<b>Promoting Safety in Our Community</b>	<ul style="list-style-type: none"><li>• Meaning and importance of safety</li><li>• Safety rules at home, school, and road</li><li>• Community safety initiatives</li><li>• Reporting unsafe situations</li></ul>
10	<b>Harmful Traditional Practices</b>	<ul style="list-style-type: none"><li>• Meaning and examples: FGM, child marriage, preference for male children</li><li>• Effects on health and society</li><li>• Laws against harmful practices</li><li>• Promoting positive cultural practices</li></ul>
11	<b>REVISION</b>	Review: Environment, safety, disaster, and harmful traditions
12	<b>EXAMINATION</b>	End of Term Assessment
13	<b>CLOSING/VACATION</b>	Term ends

**JSS1 SOCIAL AND CITIZENSHIP STUDIES**

**THIRD TERM**

<b>Week</b>	<b>Topic</b>	<b>Breakdown (Subtopics)</b>
1	<b>Digital Technologies</b>	<ul style="list-style-type: none"> <li>• Meaning of digital technology</li> <li>• Examples of digital tools: phone, computer, internet</li> <li>• Importance of technology in learning and work</li> <li>• Responsible use of digital devices</li> </ul>
2	<b>Cyber and Digital Security</b>	<ul style="list-style-type: none"> <li>• Meaning of cyber security</li> <li>• Common online risks: scams, cyberbullying, identity theft</li> <li>• Safe online practices</li> <li>• Importance of passwords and privacy</li> </ul>
3	<b>Benefits and Ideals of Money</b>	<ul style="list-style-type: none"> <li>• Meaning and importance of money</li> <li>• Characteristics and functions of money</li> <li>• Right and wrong ways of acquiring money</li> <li>• Dangers of greed and corruption</li> </ul>
4	<b>Financial Risks and Rewards</b>	<ul style="list-style-type: none"> <li>• Meaning of financial risks and rewards</li> <li>• Examples: savings, investment, loans</li> <li>• Importance of saving and budgeting</li> <li>• Avoiding financial scams and bad habits</li> </ul>
5	<b>MID-TERM EXAMINATION</b>	Assessment of Weeks 1–4
6	<b>Migration</b>	<ul style="list-style-type: none"> <li>• Meaning and types of migration</li> <li>• Causes and effects of migration</li> <li>• Internal and international migration</li> <li>• How migration affects society</li> </ul>
7	<b>MID-TERM BREAK</b>	Holiday/Rest
8	<b>Smuggling of Migrants and Irregular Migration</b>	<ul style="list-style-type: none"> <li>• Meaning of smuggling and irregular migration</li> <li>• Dangers of irregular migration</li> <li>• Legal ways of traveling abroad</li> <li>• Government efforts to curb irregular migration</li> </ul>
9	<b>Human Trafficking</b>	<ul style="list-style-type: none"> <li>• Meaning, causes, and effects of human trafficking</li> <li>• Forms of trafficking: labor, sexual, organ harvesting</li> <li>• Laws and agencies fighting trafficking (NAPTIP)</li> <li>• Ways of preventing trafficking and supporting victims</li> </ul>
10	<b>International Relations</b>	<ul style="list-style-type: none"> <li>• Meaning of international relations</li> <li>• Importance of international cooperation</li> <li>• Role of Nigeria in global affairs</li> <li>• Promoting peace and mutual respect among nations</li> </ul>

<b>11</b>	<b>REVISION</b>	Review: Digital literacy, money, migration, trafficking, and international relations
<b>12</b>	<b>EXAMINATION</b>	End of Term Assessment
<b>13</b>	<b>CLOSING/VACATION</b>	Term ends

## JSS 1 CULTURAL AND CREATIVE ARTS SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Introduction to Arts	Meaning and Definitions of Arts, History and Origin of Arts
2	Introduction to Arts (cont'd)	How Arts Started in Nigeria Schools, Branches/Types of Arts, Uses of Arts in Society
3	Crafts	Meaning of Crafts, Types, Materials, Tools/Equipment, Locations of Local Crafts
4	Crafts (cont'd)	Uses of Crafts in Nigeria
5	Midterm Exams	—
6	Tie and Dye	Meaning of Tie and Dye, Methods of Tying
7	Midterm Break	—
8	Paper Craft	Meaning of Paper Craft, Methods of Folding Paper
9	Paper Craft (cont'd)	Paper Craft Production, Uses of Paper Crafts
10	Revision	—
11-13	Revision, Examination & Closing	—

**JSS 1 CULTURAL AND CREATIVE ARTS SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Collage	Meaning of Collage, Materials/Tools for Collage
2	Collage (cont'd)	Production of Collage, Uses of Collage
3	Mosaic	Meaning of Mosaic, Materials/Tools, Production of Mosaic, Uses of Mosaic
4	Modelling with Papier-mâché	Meaning, Materials/Tools
5	Midterm Exams	—
6	Modelling with Papier-mâché (cont'd)	Preparation and Making, Modelling Techniques, Safety Measures
7	Midterm Break	—
8	Bead Work	Meaning of Bead Work, Production of Beads in Jewellery
9	Bead Work (cont'd)	Uses of Beads as Creative Objects
10	Revision	—
11–13	Revision, Examination & Closing	—

**JSS 1 CULTURAL AND CREATIVE ARTS SCHEME OF WORK**

**THIRD TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Music Theory	Fundamentals of Music, Notes on the Keyboard
2	Ear Training and Harmony	Rudiments of Harmony, Uses of Ear Training
3	Ear Training and Harmony (cont'd)	Benefits of Ear Training
4	Rudiments of Music & Playing Instruments	Musical Alphabets, Clef and Staves, Notes and Relative Values
5	Midterm Exams	—
6	Recorder & Uses of Music	Major Scales, Playing Recorder, Uses & Impact of Music in Society
7	Midterm Break	—
8	Drama & Theatre	Definition, Origin of Drama, People in Drama/Theatre, Functions
9	Elements & Playwriting	Elements and Forms of Drama, Playwriting and Dramatists
10	The Director	Meaning, Duties, and Functions of a Director
11–13	Revision, Examination & Closing	—

## JSS1 FRENCH SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Words used in the classroom	Classroom instructions and expressions (sit down, stand up, open/close your book, etc.)
2	Saluer (Greeting)	Forms of greetings (formal and informal), responses to greetings, polite expressions
3	Se présenter (Introducing oneself)	Giving personal information: name, age, nationality, origin
4	Épeler un mot / Écrire un mot épilé	Alphabet, spelling names and common words, writing dictated words
5	<b>Midterm Examination</b>	Assessment on weeks 1–4
6	Présenter quelqu'un	Introducing someone else: "Voici...", "Il/Elle s'appelle...", polite forms
7	<b>Midterm Break</b>	—
8	Décrire quelqu'un	Physical description (height, color, appearance) and character traits
9	Parler de ses loisirs	Talking about hobbies, leisure activities, likes and dislikes
10	Exprimer ses goûts et préférences	Expressing likes/dislikes: "J'aime...", "Je n'aime pas...", "Je préfère..."
11	<b>Revision</b>	Revision of all topics taught in the term
12	<b>Examination</b>	End of term exam
13	<b>Closing</b>	Result processing and holiday

**JSS1 FRENCH SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Exprimer les propriétés des objets	Describing objects: size, color, shape, texture
2	Demander quelque chose à quelqu'un	Making polite requests, asking to see someone
3	Décrire les professions	Common professions, names of jobs, describing what people do
4	Demander et donner l'heure	Telling time, asking for time, daily activities linked to time
5	<b>Midterm Examination</b>	Assessment on weeks 1–4
6	Expliquer ce que l'on fait à certaines heures de la journée	Daily routines and schedules at different times of the day
7	<b>Midterm Break</b>	—
8	Dire les dates	Days, months, giving dates
9	Situer un événement par rapport à un autre	Sequencing events, using “avant”, “après”, “pendant”
10	Demander et expliquer ce que l'on fait tous les jours de la semaine	Talking about weekly routines
11	<b>Revision</b>	Revision of all topics taught in the term
12	<b>Examination</b>	End of term exam
13	<b>Closing</b>	Result processing and holiday

**JSS1 FRENCH SCHEME OF WORK**

**THIRD TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Demander et indiquer le temps qu'il fait	Weather expressions, seasons, asking/telling about the weather
2	Exprimer la fréquence d'une activité	Using adverbs of frequency (souvent, parfois, toujours, jamais)
3	Inviter quelqu'un	Inviting, accepting and refusing invitations
4	Donner un ordre, interdire, autoriser	Commands, prohibition, giving authorization
5	<b>Midterm Examination</b>	Assessment on weeks 1–4
6	Demander la permission, conseiller	Asking for permission, giving advice
7	<b>Midterm Break</b>	—
8	Expliquer une démarche à quelqu'un	Giving directions or explaining a procedure
9	Revision of Communicative Functions	Integrating learned topics in dialogues and role plays
10	Practice of Written/Oral French	Guided writing, comprehension, conversation
11	<b>Revision</b>	Revision of all topics taught in the term
12	<b>Examination</b>	End of term exam
13	<b>Closing</b>	Result processing and holiday

**JSS 1 INTERMEDIATE SCIENCE SCHEME OF WORK**

**FIRST TERM**

<b>Week</b>	<b>Topic</b>	<b>Breakdown (Subtopics)</b>
1	Introduction to Intermediate Science	<ul style="list-style-type: none"> <li>• Meaning and importance of science</li> <li>• Branches and scope of science</li> <li>• The role of science in everyday life</li> <li>• Attitudes of a good scientist</li> </ul>
2	Environmental Degradation: Erosion	<ul style="list-style-type: none"> <li>• Meaning and types of erosion</li> <li>• Causes and effects of erosion</li> <li>• Preventive measures (terracing, tree planting, contour ridges)</li> <li>• Simple demonstration of soil erosion</li> </ul>
3	Environmental Degradation: Flooding	<ul style="list-style-type: none"> <li>• Meaning and causes of flooding</li> <li>• Effects of flooding on the environment and human life</li> <li>• Flood control measures</li> <li>• Community roles in flood prevention</li> </ul>
4	Environmental Degradation: Bush Burning	<ul style="list-style-type: none"> <li>• Meaning of bush burning</li> <li>• Causes and effects on soil, air, and living organisms</li> <li>• Alternatives to bush burning</li> <li>• Importance of environmental conservation</li> </ul>
5	MID-TERM EXAMINATION	Assessment of Weeks 1–4
6	MID-TERM BREAK	Holiday/Rest
7	Climate and Weather	<ul style="list-style-type: none"> <li>• Difference between climate and weather</li> <li>• Factors affecting weather</li> <li>• Measuring weather elements</li> <li>• Effects of weather on farming and human activities</li> </ul>
8	Environmental Protection	<ul style="list-style-type: none"> <li>• Meaning and importance of environmental protection</li> <li>• Individual and community roles</li> <li>• Government agencies (NESREA, FEPA, etc.)</li> <li>• Activities that promote sustainability</li> </ul>
9	Sanitation and Waste Management	<ul style="list-style-type: none"> <li>• Meaning of sanitation and waste</li> <li>• Types and sources of waste</li> <li>• Waste disposal methods</li> <li>• Recycling and reusing waste materials</li> </ul>
10	Review on Environmental Degradation	<ul style="list-style-type: none"> <li>• Summary of erosion, flooding, and bush burning</li> <li>• Preventive measures</li> <li>• Project: Drawing and labeling a scene of an eroded area or floodplain</li> </ul>
11	REVISION	Review of all topics covered in Term 1
12	EXAMINATION	End of Term Assessment
13	CLOSING/VACATION	Term ends

## JSS 1 INTERMEDIATE SCIENCE SCHEME OF WORK

### SECOND TERM

Week	Topic	Breakdown (Subtopics)
1	Matter – Basic Concepts	<ul style="list-style-type: none"> <li>• Meaning of matter</li> <li>• States of matter: solid, liquid, gas</li> <li>• Properties of each state</li> <li>• Changes in states: melting, freezing, evaporation, condensation</li> </ul>
2	Living Matter	<ul style="list-style-type: none"> <li>• Meaning and characteristics of living things</li> <li>• Examples of plants and animals</li> <li>• Growth, respiration, and reproduction in living things</li> <li>• Differences between living and non-living matter</li> </ul>
3	Non-Living Matter	<ul style="list-style-type: none"> <li>• Meaning and examples</li> <li>• Physical and chemical properties</li> <li>• Importance of non-living matter in our environment</li> <li>• Relationship between living and non-living matter</li> </ul>
4	Energy	<ul style="list-style-type: none"> <li>• Meaning and forms of energy (light, heat, sound, kinetic, potential)</li> <li>• Energy transformations</li> <li>• Sources and uses of energy</li> <li>• Importance of energy in everyday life</li> </ul>
5	MID-TERM EXAMINATION	Assessment of Weeks 1–4
6	MID-TERM BREAK	Holiday/Rest
7	Renewable Energy	<ul style="list-style-type: none"> <li>• Meaning and examples: solar, wind, hydro, biomass</li> <li>• Importance and advantages of renewable energy</li> <li>• Local sources and simple demonstrations</li> <li>• Limitations of renewable energy sources</li> </ul>
8	Non-Renewable Energy	<ul style="list-style-type: none"> <li>• Meaning and examples: coal, petroleum, natural gas</li> <li>• Uses of non-renewable energy</li> <li>• Effects on the environment</li> <li>• Conservation measures</li> </ul>
9	Energy Conversion and Conservation	<ul style="list-style-type: none"> <li>• Energy conversion (mechanical to electrical, etc.)</li> <li>• Law of conservation of energy</li> <li>• Energy-saving habits</li> <li>• Experiment: Demonstration of energy change</li> </ul>
10	Review on Matter and Energy	<ul style="list-style-type: none"> <li>• Summary of matter, living and non-living things</li> <li>• Renewable vs. non-renewable energy</li> <li>• Practical revision exercises</li> </ul>
11	REVISION	Review of all topics covered in Term 2
12	EXAMINATION	End of Term Assessment
13	CLOSING/VACATION	Term ends

## JSS 1 INTERMEDIATE SCIENCE SCHEME OF WORK

### THIRD TERM

Week	Topic	Breakdown (Subtopics)
1	Skill Acquisition	<ul style="list-style-type: none"><li>• Meaning and importance of skill acquisition</li><li>• Types of vocational skills (technical, agricultural, home economics, ICT)</li><li>• Benefits of practical skills to national development</li><li>• Entrepreneurship awareness</li></ul>
2	Ethical Issues in Science and Development	<ul style="list-style-type: none"><li>• Meaning of ethics</li><li>• Positive and negative use of science and technology</li><li>• Responsible use of technology</li><li>• Ethical concerns: pollution, cloning, genetic modification</li></ul>
3	Familiarisation Tour of the Laboratory and Workshop	<ul style="list-style-type: none"><li>• Meaning and purpose of laboratories and workshops</li><li>• Rules and regulations</li><li>• Identification of laboratory and workshop areas</li><li>• Laboratory symbols and safety signs</li></ul>
4	Workshop Accidents and Safety	<ul style="list-style-type: none"><li>• Common causes of accidents in workshop</li><li>• Safety rules and precautions</li><li>• First aid in workshop accidents</li><li>• Teacher demonstration: using basic protective equipment</li></ul>
5	MID-TERM EXAMINATION	Assessment of Weeks 1–4
6	MID-TERM BREAK	Holiday/Rest
7	Materials: Wood, Metals, Ceramics, and Building Materials	<ul style="list-style-type: none"><li>• Types and properties of common materials</li><li>• Uses in science and technology</li><li>• Advantages and disadvantages</li><li>• Identifying materials through observation</li></ul>
8	Workshop Processes: Drawing Practice	<ul style="list-style-type: none"><li>• Meaning of drawing in science and technology</li><li>• Types of drawings (freehand, technical)</li><li>• Drawing instruments and their uses</li><li>• Simple exercises on lines and shapes</li></ul>
9	Workshop Processes: Board Practice	<ul style="list-style-type: none"><li>• Meaning of board practice</li><li>• Tools and materials used</li><li>• Simple layout and lettering on drawing boards</li><li>• Safe handling of instruments</li></ul>
10	Machines and Tools: Woodwork & Metalwork Hand Tools	<ul style="list-style-type: none"><li>• Identification of basic tools</li><li>• Functions and uses of each tool</li><li>• Maintenance and storage of tools and machines</li><li>• Simple demonstrations</li></ul>
11	REVISION	Review of all topics covered in Term 3

12	EXAMINATION	End of Term Assessment
13	CLOSING/VACATION	Term ends

## JSS 1 DIGITAL TECHNOLOGIES SCHEME OF WORK

### FIRST TERM

Week	Topic	Breakdown (Subtopics)
1	Introduction to Digital Technology	<ul style="list-style-type: none"><li>• Meaning of digital technology</li><li>• Importance in modern life</li><li>• Examples of digital devices</li></ul>
2	Historical Development of Digital Devices	<ul style="list-style-type: none"><li>• Early calculating tools (Abacus, Napier's Bones)</li><li>• Generations of computers</li><li>• Evolution from analog to digital devices</li><li>• Modern digital trends</li></ul>
3	Career Opportunities in Information Technology	<ul style="list-style-type: none"><li>• Careers in ICT: software, hardware, networking, data</li><li>• Emerging digital careers (AI, cybersecurity, robotics)</li><li>• Skills needed for IT careers</li></ul>
4	Basic Computer Hardware Components I	<ul style="list-style-type: none"><li>• Meaning of hardware</li><li>• Input and output devices</li><li>• Functions and identification of devices</li><li>• Simple maintenance practices</li></ul>
5	<b>MID-TERM TEST</b>	<b>Assessment of Weeks 1–4</b>
6	Basic Computer Hardware Components II: Storage Units	<ul style="list-style-type: none"><li>• Primary and secondary storage</li><li>• Examples: RAM, ROM, hard disk, flash drive</li><li>• Storage measurements (bit, byte, MB, GB, TB)</li></ul>

		<ul style="list-style-type: none"><li>• Importance of data storage</li></ul>
7	<b>MID-TERM BREAK</b>	<b>Holiday/Rest</b>
8	Basic Software Concepts	<ul style="list-style-type: none"><li>• Meaning of software</li><li>• System software and application software</li><li>• Examples: OS, Word processors, browsers</li><li>• Functions of an operating system</li></ul>
9	Computer Booting and Shutdown Processes	<ul style="list-style-type: none"><li>• Meaning of booting</li><li>• Steps in booting and shutting down</li><li>• Safe handling of devices</li></ul>
10	MS Word (Introduction)	<ul style="list-style-type: none"><li>• Opening, saving, and editing documents</li><li>• Formatting text and inserting pictures</li><li>• Page setup and printing basics</li></ul>
11	<b>REVISION</b>	Review of all topics covered
12	<b>EXAMINATION</b>	End of Term Assessment
13	<b>CLOSING/VACATION</b>	Term ends

## JSS 1 DIGITAL TECHNOLOGIES SCHEME OF WORK

### SECOND TERM

Week	Topic	Breakdown (Subtopics)
1	MS PowerPoint (Introduction)	<ul style="list-style-type: none"><li>• Meaning and uses of presentation software</li><li>• Creating and saving slides</li><li>• Adding text, images, transitions</li></ul>
2	3D Modelling with Paint 3D	<ul style="list-style-type: none"><li>• Introduction to Paint 3D</li><li>• Drawing basic shapes and models</li><li>• Saving and exporting 3D projects</li></ul>
3	Data Processing	<ul style="list-style-type: none"><li>• Meaning and stages of data processing</li><li>• Manual vs. electronic data processing</li><li>• Importance in real-life applications</li></ul>
4	Basic Computer Communication	<ul style="list-style-type: none"><li>• Meaning and importance of communication</li><li>• Types: wired and wireless</li><li>• Introduction to the Internet</li></ul>
5	<b>MID-TERM TEST</b>	<b>Assessment of Weeks 1–4</b>
6	Introduction to Computer Networks	<ul style="list-style-type: none"><li>• Definition of a network</li><li>• Components: computers, cables, routers</li><li>• Benefits of networking</li></ul>
7	<b>MID-TERM BREAK</b>	<b>Holiday/Rest</b>
8	Basic Internet Concepts	<ul style="list-style-type: none"><li>• Meaning of Internet</li><li>• Common terms: website, URL, browser, search engine</li><li>• Responsible Internet use</li></ul>
9	Online Safety Rules	

		<ul style="list-style-type: none"><li>• Dangers of the Internet</li><li>• Safe browsing habits</li><li>• Responsible use of digital devices</li></ul>
10	Online Privacy and Security	<ul style="list-style-type: none"><li>• Meaning of online privacy</li><li>• Password creation and management</li><li>• Avoiding scams and phishing</li></ul>
11	<b>REVISION</b>	Review of term's topics
12	<b>EXAMINATION</b>	End of Term Assessment
13	<b>CLOSING/VACATION</b>	Term ends

## JSS 1 DIGITAL TECHNOLOGIES SCHEME OF WORK

### THIRD TERM

Week	Topic	Breakdown (Subtopics)
1	Internet Communication Practices	<ul style="list-style-type: none"><li>• Meaning of Internet communication</li><li>• Email, instant messaging, video conferencing</li><li>• Netiquette</li></ul>
2	Spam and Online Threats	<ul style="list-style-type: none"><li>• Meaning of spam</li><li>• Common online scams</li><li>• Preventive measures</li></ul>
3	Intellectual Property	<ul style="list-style-type: none"><li>• Meaning of intellectual property</li><li>• Copyright, trademark, and plagiarism</li><li>• Respecting digital content ownership</li></ul>
4	Safety and Security Features on Digital Devices	<ul style="list-style-type: none"><li>• Antivirus software</li><li>• Screen locks, firewalls, parental controls</li><li>• Device maintenance</li></ul>
5	<b>MID-TERM TEST</b>	<b>Assessment of Weeks 1–4</b>
6	Introduction to Graphic Design	<ul style="list-style-type: none"><li>• Meaning and importance of graphic design</li><li>• Elements of design: color, shape, typography</li></ul>
7	<b>MID-TERM BREAK</b>	<b>Holiday/Rest</b>
8	Introduction to Canva	<ul style="list-style-type: none"><li>• Getting started with Canva</li><li>• Creating and editing designs</li><li>• Templates and customization</li></ul>
9	Digital Media	<ul style="list-style-type: none"><li>• Meaning and types of digital media</li></ul>

		<ul style="list-style-type: none"><li>• Ethics and responsible use</li><li>• Sharing and collaboration tools</li></ul>
10	Computer Waste Management	<ul style="list-style-type: none"><li>• Meaning of e-waste</li><li>• Safe disposal methods</li><li>• Recycling practices</li></ul>
11	<b>REVISION</b>	Review of all topics
12	<b>EXAMINATION</b>	End of Term Assessment
13	<b>CLOSING/VACATION</b>	Term ends

## JSS 1 BUSINESS STUDIES SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	<b>Overview of Business Studies</b>	Meaning of Business Studies; Components of Business Studies; Importance/Benefits of Business Studies; Career opportunities
2	<b>Effective Office Practice I</b>	The office: meaning, types, and functions
3	<b>Effective Office Practice II</b>	The office staff – clerical staff, functions, qualities
4	<b>Right Attitude to Work</b>	Punctuality and regularity; Rewards and punishment; Devotion to duty; Effects on productivity and development
5	<b>Midterm Examination</b>	—
6	<b>Departments in an Office/Organisation</b>	Various departments in an organisation and their functions
7	<b>Midterm Break</b>	—
8	<b>Commerce – The Heart of Business I</b>	Introduction, meaning, importance of commerce; Activities that aid commerce (aids to trade)
9	<b>Commerce – The Heart of Business II</b>	Divisions of commerce – Home trade, foreign trade (imports, exports, entrepôt)
10	<b>Production I</b>	Meaning and stages (types) of production; Effects on society and environment
11–13	<b>Revision / Examination / Closing</b>	—

## JSS 1 BUSINESS STUDIES SCHEME OF WORK

### SECOND TERM

Week	Topic	Content
1	<b>Production II</b>	Factors of production – meaning, types, rewards, features, importance
2	<b>Types of Occupation</b>	Meaning of occupation; Types – direct and indirect services; Factors influencing occupation
3	<b>Honesty in Business</b>	Meaning of truthfulness; Attributes; Causes of dishonesty; Rewards/consequences
4	<b>Fairplay and Ethics of Business</b>	Fairplay; Meaning of ethics; Ethics guiding sourcing of chemicals; Meaning and facts about chemicals; Safe handling, distribution, and disposal
5	<b>Midterm Examination</b>	—
6	<b>Entrepreneurship</b>	Meaning of entrepreneurship, enterprise, self-employment; Successful entrepreneurs (local, national, international); Importance
7	<b>Midterm Break</b>	—
8	<b>Forms of Business Organisation I</b>	Sole proprietorship; Partnership
9	<b>Forms of Business Organisation II</b>	Limited liability companies; Co-operative societies; Advantages and disadvantages
10	<b>Consumer, Market and Society</b>	Meaning of consumer, market, society; Consumer education – meaning, need, importance, consequences of lack of it
11–13	<b>Revision / Examination / Closing</b>	—

## JSS 1 BUSINESS STUDIES SCHEME OF WORK

### THIRD TERM

Week	Topic	Content
1	<b>Book-keeping as a Tool in Business I</b>	Introduction to book-keeping; Meaning; Importance; Qualities of a good book-keeper; Common practices
2	<b>Source Documents and Special Journals I</b>	Meaning/Uses of source documents; Types of source documents
3	<b>Source Documents and Special Journals II</b>	Journals: meaning, types; Format of a sales journal
4	<b>Double Entry Book-keeping</b>	Meaning; Treatment of assets, liabilities, expenses; Meaning and format of ledger; Classification of accounts
5	<b>Midterm Examination</b>	—
6	<b>Keyboarding as a Communication Tool I</b>	Introduction to keyboarding; Meaning; Importance; Correct sitting posture
7	<b>Midterm Break</b>	—
8	<b>Keyboarding as a Communication Tool II</b>	The typewriter – meaning, types, parts; Computer keyboard – meaning, uses, similarities with typewriter
9	<b>Keyboarding as a Communication Tool III</b>	Care of the computer; Items used; Getting ready to keyboard (paper sizes, techniques, rows, divisions)
10	<b>Keyboarding as a Communication Tool IV</b>	Alphanumeric keys; Service keys; Function keys; Control keys; Special keys and their functions; Spacing and punctuation marks; Short forms
11–13	<b>Revision / Examination / Closing</b>	—

**TRADE SUBJECTS IN JSS 1**

1. Solar Photovoltaic Installation and Maintenance
2. Fashion Design and Garment Making
3. Livestock Farming
4. Beauty and Cosmetology
5. Computer Hardware and GSM Repairs
6. Horticulture and Crop Production

## JSS 1 SOLAR PHOTOVOLTAIC (PV) INSTALLATION AND MAINTENANCE

### FIRST TERM

Week	Topic	Breakdown (Subtopics)
1	Introduction to Solar Photovoltaic (PV) System	<ul style="list-style-type: none"><li>• Meaning and importance of solar energy</li><li>• Difference between solar and other sources of energy</li><li>• Components of a basic PV system</li><li>• Advantages of solar energy in homes and schools</li></ul>
2	Electrical Appliances Power Load / Load Sizing	<ul style="list-style-type: none"><li>• Meaning of load</li><li>• Identifying electrical appliances in homes and schools</li><li>• Calculating total power load (Wattage)</li><li>• Estimating energy consumption using power ratings</li></ul>
3	Electrical Safety Precautions	<ul style="list-style-type: none"><li>• Definition of electrical safety</li><li>• Causes of electrical accidents</li><li>• Basic rules for safe use of electricity</li><li>• First aid procedures for electric shock victims</li></ul>
4	Safety Precautions in Handling Solar PV System Materials	<ul style="list-style-type: none"><li>• Safe handling of solar panels, batteries, and cables</li><li>• Storage and maintenance of solar PV tools</li><li>• Use of safety kits (gloves, goggles, boots)</li><li>• Environmental considerations in handling PV materials</li></ul>
5	<b>MID-TERM EXAMINATION</b>	<ul style="list-style-type: none"><li>• <b>Assessment of Weeks 1–4 Topics</b></li></ul>
6	Solar PV Components: Solar Panels	<ul style="list-style-type: none"><li>• Meaning and function of solar panels</li><li>• Types of solar panels (Monocrystalline, Polycrystalline, Thin film)</li><li>• Installation position and direction</li><li>• Cleaning and maintenance of panels</li></ul>
7	<b>MID-TERM BREAK</b>	<ul style="list-style-type: none"><li>• <b>Rest / Practical Catch-up Activities</b></li></ul>

8	Solar PV Components: Inverters	<ul style="list-style-type: none"><li>• Meaning and function of an inverter</li><li>• Types of inverters</li><li>• Conversion of DC to AC power</li><li>• Care and maintenance of inverters</li></ul>
9	Solar PV Components: Battery Bank Storage	<ul style="list-style-type: none"><li>• Definition and importance of battery storage</li><li>• Types of solar batteries (Lead-acid, Lithium-ion)</li><li>• Battery capacity and voltage rating</li><li>• Charging and maintenance tips</li></ul>
10	System Sizing (Battery & Inverter)	<ul style="list-style-type: none"><li>• Meaning of system sizing</li><li>• Calculating inverter and battery capacity</li><li>• Matching solar components to load requirements</li><li>• Practical exercises on load sizing</li></ul>
11	<b>REVISION</b>	<ul style="list-style-type: none"><li>• <b>Review of all topics covered in the term</b></li></ul>
12	<b>EXAMINATION</b>	<ul style="list-style-type: none"><li>• <b>End of Term Assessment</b></li></ul>
13	<b>CLOSING</b>	<ul style="list-style-type: none"><li>• <b>Result computation and vacation activities</b></li></ul>

## JSS 1 SOLAR PHOTOVOLTAIC (PV) INSTALLATION AND MAINTENANCE

### SECOND TERM

Week	Topic	Breakdown (Subtopics)
1	Review of First Term Work	<ul style="list-style-type: none"><li>• Recap of solar components and their functions</li><li>• Review of load sizing and safety precautions</li><li>• Correction of common errors in handling PV materials</li></ul>
2	Concept of Entrepreneurship	<ul style="list-style-type: none"><li>• Meaning of entrepreneurship</li><li>• Importance of entrepreneurship in renewable energy</li><li>• Characteristics of a good entrepreneur</li><li>• Entrepreneurial opportunities in solar energy</li></ul>
3	Concept of Money	<ul style="list-style-type: none"><li>• Meaning and functions of money</li><li>• Importance of money in business</li><li>• Sources of business capital</li><li>• Role of money management in entrepreneurship</li></ul>
4	Bookkeeping in Solar PV Installation and Maintenance	<ul style="list-style-type: none"><li>• Meaning of bookkeeping</li><li>• Simple record keeping in solar business</li><li>• Recording income and expenditure</li><li>• Preparing simple daily sales records</li></ul>
5	<b>MID-TERM EXAMINATION</b>	<ul style="list-style-type: none"><li>• <b>Assessment of Weeks 1–4 Topics</b></li></ul>
6	Business Start-Up in Solar PV Installation and Maintenance	<ul style="list-style-type: none"><li>• Steps in starting a small solar business</li><li>• Identifying customer needs</li><li>• Marketing solar products and services</li><li>• Business ethics and customer relations</li></ul>
7	<b>MID-TERM BREAK</b>	<ul style="list-style-type: none"><li>• <b>Rest / Practical Activities</b></li></ul>
8	Marketing in Solar PV Installation and Maintenance (Goods and Services)	<ul style="list-style-type: none"><li>• Meaning of marketing</li><li>• Types of marketing (goods/services)</li></ul>

		<ul style="list-style-type: none"><li>• Strategies for promoting solar energy products</li><li>• Advertising methods and their effectiveness</li></ul>
9	Safety in Solar Installation and Maintenance	<ul style="list-style-type: none"><li>• Workplace safety practices</li><li>• Identifying risks and hazards during installation</li><li>• Safety tools and protective equipment</li><li>• Emergency response procedures</li></ul>
10	Maintenance of Solar Tools and Equipment	<ul style="list-style-type: none"><li>•</li><li>• Meaning of maintenance</li><li>• Types of maintenance (preventive, corrective)</li><li>• Care and storage of solar tools</li><li>• Replacing worn-out or damaged tools</li></ul>
11	<b>REVISION</b>	<ul style="list-style-type: none"><li>• <b>Review of all topics covered in the term</b></li></ul>
12	<b>EXAMINATION</b>	<ul style="list-style-type: none"><li>• <b>End of Term Assessment</b></li></ul>
13	<b>CLOSING</b>	<ul style="list-style-type: none"><li>• <b>Result computation and vacation activities</b></li></ul>

## JSS 1 SOLAR PHOTOVOLTAIC (PV) INSTALLATION AND MAINTENANCE

### THIRD TERM

Week	Topic	Breakdown (Subtopics)
1	Review of Second Term Work	<ul style="list-style-type: none"><li>Recap of entrepreneurship and bookkeeping concepts</li><li>Review of marketing strategies</li><li>Assessment of safety and maintenance practices</li></ul>
2	Introduction to Renewable Energy	<ul style="list-style-type: none"><li>Meaning of renewable energy</li><li>Difference between renewable and non-renewable energy</li><li>Advantages of renewable energy</li><li>Sources of renewable energy: solar, wind, water, biomass</li></ul>
3	Principles of Solar Energy	<ul style="list-style-type: none"><li>Meaning of solar energy</li><li>How solar energy is generated</li><li>Conversion of sunlight to electricity</li><li>Importance of solar power in daily life</li></ul>
4	Components of Solar PV Systems	<ul style="list-style-type: none"><li>Review of solar panels, batteries, inverters, and charge controllers</li><li>Connecting solar components</li><li>Identifying faults in basic solar circuits</li><li>Practical demonstration: assembling a mini-solar setup</li></ul>
5	<b>MID-TERM EXAMINATION</b>	<ul style="list-style-type: none"><li><b>Assessment of Weeks 1–4 Topics</b></li></ul>
6	Energy Storage Systems	<ul style="list-style-type: none"><li>Understanding energy storage</li><li>Functions of batteries in solar systems</li><li>Types of batteries used in solar PV</li><li>Battery maintenance and safety</li></ul>
7	<b>MID-TERM BREAK</b>	<ul style="list-style-type: none"><li><b>Rest / Practical Projects</b></li></ul>
8	Power Distribution and Load Management	<ul style="list-style-type: none"><li>Meaning of power distribution</li><li>Understanding DC and AC power</li></ul>

		<ul style="list-style-type: none"><li>• How to balance electrical load</li><li>• Effects of overload and underload</li></ul>
9	Troubleshooting in Solar PV Systems	<ul style="list-style-type: none"><li>• Meaning of troubleshooting</li><li>• Common problems in solar PV systems</li><li>• Step-by-step fault detection</li><li>• Tools and procedures for basic repairs</li></ul>
10	Field Practice and Demonstration	<ul style="list-style-type: none"><li>• Practical installation of a basic solar PV system</li><li>• Team-based hands-on activity</li><li>• Testing voltage and current output</li><li>• Maintenance logbook record</li></ul>
11	<b>REVISION</b>	<ul style="list-style-type: none"><li>• <b>Review of all term's topics through discussion and tests</b></li></ul>
12	<b>EXAMINATION</b>	<ul style="list-style-type: none"><li>• <b>End of Term Practical and Written Assessment</b></li></ul>
13	<b>CLOSING</b>	<ul style="list-style-type: none"><li>• <b>Evaluation, result presentation, and vacation</b></li></ul>

## JSS 1 FASHION DESIGN AND GARMENT MAKING SCHEME OF WORK

### FIRST TERM

Week	Topic	Content / Subtopics
1.	Introduction to Garment Making	Meaning and importance of garment making; Career opportunities in garment making
2.	Sewing Tools and Equipment	Types of sewing tools and equipment; Uses and identification; Care and arrangement of tools
3.	Sewing Machine	Meaning and types of sewing machines; Simple parts of the sewing machine
4.	Parts of the Sewing Machine and Their Functions	Main parts and their functions; Operating the machine correctly
5.	<b>Mid-Term Examination</b>	—
6.	Handling and Maintenance of Sewing Tools and Equipment	Cleaning and oiling the sewing machine; Proper storage and safety practices
7.	<b>Midterm break</b>	-
8.	Basic Sewing Techniques	Running, tacking, hemming, overcasting, and back stitches
9.	Fibres and Fabrics	Meaning and classification of fibres (natural and synthetic); Examples of fabrics
10.	Fabric Identification	Methods of identifying fabrics (touch, sight, and burn test); Uses of fabrics
11.	Simple Garment Sketching	Introduction to freehand sketching; Basic shapes in garment sketching
12.	Revision & Examination	Review of term's work
13.	Closing	—

## JSS 1 FASHION DESIGN AND GARMENT MAKING SCHEME OF WORK

### SECOND TERM

Week	Topic	Content / Subtopics
1.	Taking Body Measurements	Body parts for measurement; Tools for measurement; Accurate measuring methods
2.	Pattern Drafting	Meaning and importance of pattern drafting; Basic pattern symbols
3.	Methods of Obtaining Pattern	Flat pattern, draping, and freehand methods
4.	Drafting Basic Patterns	Simple drafting of skirt, blouse, and shorts patterns
5.	<b>Mid-Term Examination</b>	
6.	Cutting and Sewing with Drafted Patterns	Correct laying and cutting of patterns; Seam allowance and joining
7.	<b>Mid-Term Break</b>	—
8.	Sewing Simple Garment	Practical sewing of simple garments such as apron, pillowcase, or skirt
9.	Finishing Techniques	Seam finishing, neatening edges, and hemming
10.	Pressing and Ironing	Tools used for pressing; Correct ironing of garments
11.	Digital Sketching Platforms (Introduction)	Introduction to digital drawing tools (AutoDraw, Canva, Tinkercad, etc.)
12.	Revision & Examination	Review of term's work
13.	Closing	—

## JSS 1 FASHION DESIGN AND GARMENT MAKING SCHEME OF WORK

### THIRD TERM

Week	Topic	Content / Subtopics
1.	Introduction to Digitization in Garment Making	Meaning of digitization; Benefits of technology in fashion
2.	Digital Sketching Platforms (Practical)	Digital tools for creating garment sketches; Practice session
3.	Digital Portfolios	Meaning and importance of portfolios in fashion; Components of a digital portfolio
4.	Creating a Digital Portfolio	Steps in setting up a portfolio; Uploading sketches and photos
5.	<b>Mid-Term Examination</b>	
6.	Putting Works in the Digital Portfolio	Arranging and organizing completed works in digital format
7.	<b>Mid-Term Break</b>	-
8.	Review of Garment Production Process	Summary of steps from sketching to finishing a garment
9.	Career Opportunities in Fashion	Careers in garment making and fashion design
10.	Project Work	Simple digital portfolio and sewn garment presentation
11.	Revision	—
12.	Examination	—
13.	Closing	—

## JSS 1 LIVESTOCK FARMING SCHEME OF WORK

### FIRST TERM

Week	Topic	Content / Subtopics
1	Introduction to Livestock Farming	Meaning and importance of livestock farming; Types of livestock animals; Benefits of livestock to humans
2	Types of Poultry Birds	Meaning of poultry; Common types — chicken, turkey, duck, guinea fowl, pigeon, quail; Uses of poultry birds
3	Breeds of Poultry Birds	Local and exotic breeds (layers, broilers, cockerels); Characteristics of each breed
4	Poultry Housing	Types of poultry houses; Requirements of a good house; Construction materials
5	<b>Mid-Term Examination</b>	—
6	Poultry Equipment	Types (feeders, drinkers, brooders, laying nests, perches); Uses and maintenance
7	<b>Mid-Term Break</b>	—
8	Poultry Management Practices	Daily care and management of chicks, growers, and layers; Sanitation and record-keeping
9	Poultry Diseases and Control	Common diseases (Newcastle, Coccidiosis, Fowl Pox); Symptoms, prevention, and control
10	Classification of Feed Ingredients	Meaning of feed; Ingredients (protein, carbohydrate, vitamins, minerals); Feed formulation
11	<b>Revision</b>	Review of term's work and practicals
12	<b>Examination</b>	—
13	<b>Closing / Vacation</b>	—

## JSS 1 LIVESTOCK FARMING SCHEME OF WORK

### SECOND TERM

Week	Topic	Content / Subtopics
1	Introduction to Rabbit Production	Importance of rabbits; Characteristics and benefits of rabbit rearing
2	Breeds of Rabbit	Local and exotic breeds (New Zealand White, Chinchilla, Dutch, etc.); Characteristics and uses
3	Rabbit Housing	Types of hutches; Materials used; Requirements of a good hutch
4	Rabbit Feeds	Types of feeds — concentrates and roughages; Feeding schedules and water management
5	<b>Mid-Term Examination</b>	—
6	Health Management in Rabbits	Common diseases, symptoms, prevention, and control
7	<b>Mid-Term Break</b>	—
8	Reproduction in Rabbits	Mating process, gestation, kindling, and weaning
9	Record Keeping in Rabbitry	Importance; Types of records (feeding, breeding, sales)
10	Handling and Management Practices	Handling methods, grooming, sanitation, and waste disposal
11	<b>Revision</b>	Practical demonstration: feeding, cleaning, and maintenance
12	<b>Examination</b>	—
13	<b>Closing / Vacation</b>	—

## JSS 1 LIVESTOCK FARMING SCHEME OF WORK

### THIRD TERM

Week	Topic	Content / Subtopics
1	Concept of Sheep and Goat Production	Meaning, importance, and uses of sheep and goats; Differences between sheep and goats
2	Breeds of Sheep and Goats	Local and exotic breeds — West African Dwarf, Yankasa, Sokoto Red, etc.
3	Housing and Equipment for Sheep and Goats	Types of housing; Feeding and watering equipment
4	Feeds for Sheep and Goats	Common feed ingredients; Grazing, browsing, and supplementary feeding
5	<b>Mid-Term Examination</b>	—
6	Health Management in Sheep and Goats	Common diseases and parasites; Causes, symptoms, and control
7	<b>Mid-Term Break</b>	—
8	Sick Sheep or Goat in a Herd	Identification and isolation of sick animals; Treatment and record-keeping
9	Breeding in Sheep and Goats	Mating systems; Gestation period; Care of pregnant animals and young ones
10	Practical: Identifying Feeds and Breeds	Recognition and classification exercises; Field observation
11	<b>Revision</b>	Review of term's work and key livestock practices
12	<b>Examination</b>	—
13	<b>Closing / Vacation</b>	—

## JSS 1 BEAUTY AND COSMETOLOGY SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Introduction to Beauty and Cosmetology	Meaning, origin, and importance of beauty and cosmetology.
2	Tools and Equipment	Identification and uses of comb, brush, mirror, apron, towel, and hair dryer.
3	Personal Hygiene and Grooming	Importance of cleanliness and daily grooming routines.
4	Safety Precautions in the Salon	Safety measures in handling tools and electrical appliances.
5	<b>Midterm Examination</b>	
6	Basic Hair Care Practices	Brushing, washing, and simple styling of natural hair.
7	<b>Midterm Break</b>	
8	Skin Care and Cleansing	Steps in facial cleansing and types of skin.
9	Nail Care	Simple manicure and pedicure procedures.
10	Introduction to Makeup	Meaning and types of makeup; makeup tools.
11	Simple Makeup Techniques	Application of facial powder, lip gloss, eyebrow shaping (theory only).
12	<b>Revision</b>	Review of major topics.
13	<b>Examination / Closing</b>	

## JSS 1 BEAUTY AND COSMETOLOGY SCHEME OF WORK

### SECOND TERM

Week	Topic	Content
1	Review of First Term's Work	Recap of basic beauty concepts and hygiene.
2	Hair Structure and Function	Parts of the hair and their functions.
3	Hair Types	Identification of straight, curly, and kinky hair.
4	Hair Treatment	Washing, conditioning, and natural treatment.
5	<b>Midterm Examination</b>	
6	Simple Hair Styling	Tools and techniques for plaiting and weaving.
7	<b>Midterm Break</b>	
8	Introduction to Skin Care Products	Soaps, creams, and lotions and their proper use.
9	Facial Treatment	Steps: cleansing, steaming, exfoliation, and toning.
10	Nail Care Tools and Safety	Proper use and cleaning of manicure/pedicure tools.
11	Customer Care in Beauty Services	Attitude, communication, and courtesy with clients.
12	<b>Revision</b>	
13	<b>Examination / Closing</b>	

## JSS 1 BEAUTY AND COSMETOLOGY SCHEME OF WORK

### THIRD TERM

Week	Topic	Content
1	Review of Second Term Work	Overview of hair and skin care.
2	Advanced Hair Styling	Weaving, threading, and cornrow patterns.
3	Introduction to Beauty Products	Identifying safe and harmful ingredients.
4	Daily Skin Care Routine	Cleansing, toning, and moisturizing.
5	<b>Midterm Examination</b>	
6	Nail Art	Simple decoration and color combination.
7	<b>Midterm Break</b>	
8	Salon Hygiene and Sanitation	Keeping the salon clean and free of infection.
9	Professional Conduct	Courtesy, honesty, and confidentiality with clients.
10	Entrepreneurship in Beauty Care	Simple business ideas and record keeping.
11	Revision Project	Group or practical revision.
12	<b>Revision</b>	
13	<b>Examination / Closing</b>	

## JSS1 COMPUTER HARDWARE AND GSM REPAIRS

### FIRST TERM

Week	Topic	Content
1	Introduction to Computer Hardware & GSM Repairs	Meaning, importance, career opportunities
2	History of Computers & GSM	Development of computers and mobile phones
3	Basic Computer Hardware Components	Input, output, processing, storage devices
4	Identification of GSM Components	Screen, keypad, battery, SIM, circuit board
5	Midterm Test	–
6	Safety Precautions in Workshop	Handling tools, electricity, ESD safety
7	Midterm Break	–
8	Tools for Computer & GSM Repairs	Screwdrivers, testers, soldering iron, pliers
9	Peripheral Devices	Printers, scanners, flash drives
10	Basic Care & Maintenance of Computer/GSM	Cleaning, charging, battery care
11	Revision	–
12	Examination	–
13	Closing	–

**JSS1 COMPUTER HARDWARE AND GSM REPAIRS**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Classification of Computers	Digital, analogue, hybrid; sizes and uses
2	Types of Mobile Phones	Feature phones vs. smartphones
3	System Unit Parts	Motherboard, CPU, RAM, power supply
4	SIM Cards & Memory Cards	Types, uses, care
5	Midterm Test	–
6	Introduction to Software	System vs. application software
7	Midterm Break	–
8	Power Supply in Computers and Phones	Batteries, chargers, UPS
9	Basic Troubleshooting	Computer not booting, phone not charging
10	Practical: Disassembling a Phone	Opening and identifying parts
11	Revision	–
12	Examination	–
13	Closing	–

## JSS1 COMPUTER HARDWARE AND GSM REPAIRS

### THIRD TERM

Week	Topic	Content
1	Computer Storage Devices	Hard disk, SSD, flash drives, memory cards
2	GSM Networks	2G, 3G, 4G, 5G
3	Assembling a Simple Computer	Step-by-step practice
4	Common GSM Problems	Screen damage, battery fault
5	Midterm Test	–
6	Practical: Replacing GSM Parts	Battery, screen, keypad
7	Midterm Break	–
8	Introduction to Soldering	Tools and safety
9	Practical: Soldering Simple Joints	Circuit connection
10	Preventive Maintenance	Regular servicing of computer & GSM
11	Revision	–
12	Examination	–
13	Closing	–

## JSS 1 HORTICULTURE AND CROP PRODUCTION SCHEME OF WORK

### FIRST TERM

Week	Topic	Breakdown (Subtopics)
1.	Introduction to Crop Production	<ul style="list-style-type: none"><li>• Importance of crop production to national economy</li></ul>
2.	Farm Tools and Safety Measures	<ul style="list-style-type: none"><li>• Common farm tools and their uses</li><li>• Maintenance of farm tools</li><li>• Safety precautions on the farm</li><li>• First aid and emergency procedures</li></ul>
3.	Farmland Preparation Practices	<ul style="list-style-type: none"><li>• Importance of farmland preparation</li><li>• Stages: clearing, ploughing, harrowing, ridging</li><li>• Farm layout and land demarcation</li><li>• Tools used in each stage</li></ul>
4.	Soil and Its Properties	<ul style="list-style-type: none"><li>• Meaning and types of soil</li><li>• Importance of soil to crop production</li><li>• Physical properties: colour, texture, structure</li><li>• Effects of soil on crop growth</li></ul>
5.	<b>MID-TERM TEST</b>	<ul style="list-style-type: none"><li>• <b>Assessment of Weeks 1–4</b></li></ul>
6.	Soil Texture and Structure	<ul style="list-style-type: none"><li>• Determining soil texture and structure</li><li>• Importance of soil texture to crop type</li><li>• Soil management practices</li><li>• Soil testing (simple classroom activity)</li></ul>
7.	<b>MID-TERM BREAK</b>	<ul style="list-style-type: none"><li>• <b>Holiday/Rest</b></li></ul>
8.	Site Selection and Crop Types	<ul style="list-style-type: none"><li>• Factors influencing site selection</li><li>• Classification of crops based on lifespan</li><li>• Types of crops (arable, horticultural, plantation)</li><li>• Suitable sites for different crops</li></ul>
9.	Crop Classification	<ul style="list-style-type: none"><li>• Food crops, cash crops, industrial crops</li><li>• Annual, biennial, perennial crops</li><li>• Importance of crop classification</li></ul>

10.	Farm Records and Management	<ul style="list-style-type: none"><li>• Meaning and importance of farm records</li><li>• Types of records kept on a farm</li><li>• Farm diary and stock record examples</li><li>• Simple record-keeping exercise</li></ul>
11.	<b>REVISION</b>	<ul style="list-style-type: none"><li>• General review of all topics covered</li></ul>
12.	<b>EXAMINATION</b>	<ul style="list-style-type: none"><li>• End of Term Assessment</li></ul>
13.	<b>CLOSING/VACATION</b>	<ul style="list-style-type: none"><li>• Term ends</li></ul>

## JSS 1 HORTICULTURE AND CROP PRODUCTION SCHEME OF WORK

### SECOND TERM

Week	Topic	Breakdown (Subtopics)
1	Introduction to Horticulture	Meaning of horticulture Branches: floriculture, olericulture, pomology Importance and scope of horticulture Career opportunities
2	Nursery Establishment (Part 1)	Meaning and importance of nursery Types of nursery Site selection and tools used Steps in establishing a nursery
3	Nursery Bed Preparation	Meaning and purpose of nursery bed Materials and tools for bed preparation Soil sterilization and watering Practical demonstration
4	Fertilizer Application	Meaning and types of fertilizers Methods of fertilizer application Importance of balanced fertilization Effects of misuse of fertilizer
5	<b>MID-TERM TEST</b>	<b>Assessment of Weeks 1–4</b>
6	Seed Collection and Dormancy Breaking	Meaning of seed collection Reasons for seed dormancy Methods of breaking dormancy Storage of viable seeds
7	<b>MID-TERM BREAK</b>	<b>Holiday/Rest</b>
8	Rootstock Preparation	

		Meaning of rootstock Qualities of a good rootstock Preparation steps and care Demonstration
9	Scion Collection	Meaning of scion Qualities of a good scion Techniques of scion collection and handling
10	Vegetable Production	Common vegetables and their importance Cultural practices in vegetable farming Harvesting, packaging, and storage
11	<b>REVISION</b>	Review of all topics covered
12	<b>EXAMINATION</b>	End of Term Assessment
13	<b>CLOSING/VACATION</b>	Term ends

## JSS 1 HORTICULTURE AND CROP PRODUCTION SCHEME OF WORK

### THIRD TERM

Week	Topic	Breakdown (Subtopics)
1	Vegetative Propagation in Horticultural Crops	<ul style="list-style-type: none"><li>• Meaning of vegetative propagation</li><li>• Methods: cutting, layering, grafting, budding</li><li>• Advantages and disadvantages</li></ul>
2	Practical Session on Vegetative Propagation	<ul style="list-style-type: none"><li>• Demonstration of grafting, budding, layering</li><li>• Tools and materials used</li><li>• Maintenance of propagated crops</li></ul>
3	Post-Harvest Management of Vegetables	<ul style="list-style-type: none"><li>• Harvesting methods</li><li>• Sorting and grading</li><li>• Packaging and storage</li><li>• Transportation and marketing</li></ul>
4	Concept of Entrepreneurship in Horticulture	<ul style="list-style-type: none"><li>• Meaning and importance of entrepreneurship</li><li>• Entrepreneurial skills in crop production</li><li>• Examples of successful agripreneurs</li></ul>
5	<b>MID-TERM TEST</b>	<ul style="list-style-type: none"><li>• <b>Assessment of Weeks 1–4</b></li></ul>
6	Concept of Money	<ul style="list-style-type: none"><li>• Meaning and functions of money</li><li>• Types of money and uses</li><li>• Money management and savings</li></ul>
7	<b>MID-TERM BREAK</b>	<ul style="list-style-type: none"><li>• <b>Holiday/Rest</b></li></ul>
8	Book Keeping in Horticulture and Crop Production	<ul style="list-style-type: none"><li>• Meaning of bookkeeping</li><li>• Types of farm records</li><li>• Simple profit and loss record</li><li>• Importance of bookkeeping</li></ul>
9	Business Start-Up in Horticulture	<ul style="list-style-type: none"><li>• Meaning and stages of business start-up</li><li>• Business plan preparation</li></ul>

		<ul style="list-style-type: none"><li>• Marketing of horticultural products</li></ul>
10	Enterprise Development	<ul style="list-style-type: none"><li>• Meaning of enterprise</li><li>• Developing business ideas</li><li>• Managing small horticultural ventures</li></ul>
11	<b>REVISION</b>	<ul style="list-style-type: none"><li>• Comprehensive review of all topics</li></ul>
12	<b>EXAMINATION</b>	<ul style="list-style-type: none"><li>• End of Term Assessment</li></ul>
13	<b>CLOSING/VACATION</b>	<ul style="list-style-type: none"><li>• Term ends</li></ul>

# **JUNIOR SECONDARY TWO SCHEME OF WORK (NEW NERDC SCHEME)**

1. English Studies
2. Mathematics
3. Physical and Health Education
4. Christian Religious Studies
5. Islamic Studies
6. Nigerian History
7. Social and Citizenship Studies
8. Cultural and Creative Arts (CCA)
9. French
10. Intermediate Science
11. Digital Technologies
12. Business Studies
13. Trade Subjects

**JSS2 ENGLISH STUDIES SCHEME OF WORK**

**FIRST TERM**

<b>Week</b>	<b>Speech Work</b>	<b>Grammar</b>	<b>Reading &amp; Comprehension</b>	<b>Composition</b>	<b>Literature in English</b>
1	Listening and Speaking – Revision of pure vowel sounds	Revision of Parts of Speech – Nouns, Pronouns, Verbs and Adjectives	Review of the SQ3R reading technique	Writing an outline for a Narrative Essay – <i>How I Spent My Last Holiday</i>	Review of features of prose (setting, theme, characterization)
2	Revision of consonant sounds with emphasis on consonant clusters	Transitive and Intransitive Verbs	Reading to understand the writer’s purpose	Descriptive Essay – Writing an outline on <i>A Place of Interest I Visited</i>	Use the recommended text on prose
3	Listening and Speaking – The / iə / sound (ear, clear, hear, bear, etc.)	More on Active and Passive Voice	Identifying words that show the writer’s intention on contemporary issues (e.g. corruption); Vocabulary Development – Word families (in the hospital)	Elements of Composition – Pre-writing, writing, editing, body and conclusion	Features of folktales (didactic, entertaining, riddles); Use the recommended text on prose
4	The / əʊ / sound (go, blow, mow, know...)	More on Tenses (Present, Past and Future)	Critical Reading – Meaning and steps; Vocabulary Development – Word families (the police officer’s job)	Descriptive Essay – <i>A Local Festival</i>	Use the recommended text on prose
5	<b>Midterm Examination</b>	<b>Midterm Examination</b>	<b>Midterm Examination</b>	<b>Midterm Examination</b>	<b>Midterm Examination</b>

6	Contrasting consonants /p/ and /t/ (pan, tan, prim, trim)	Past Perfect Tense	Reading to identify facts and opinions in a passage; Vocabulary Development – Language of sports	Narrative Essay – <i>What I Do Every Day</i>	Use the recommended text on drama – Characterization and plot
7	<b>Midterm Break</b>	<b>Midterm Break</b>	<b>Midterm Break</b>	<b>Midterm Break</b>	<b>Midterm Break</b>
8	Consonant sounds /f/ and /v/ in contrast (vampire, favour, famish, vanish)	Making sentences with conjunctions	Reading to explain facts and opinions in a selected passage; Vocabulary Development – Word families (journalism)	Letter Writing – A letter to your father on why you like your new school	Differentiating between a novella and a novel; Figures of Speech – Onomatopoeia and Personification
9	The consonant sound /v/	Making requests using <i>will, could, may</i>	Reinforcement of Week 2 passage	Descriptive Essay – <i>My Favourite Teacher</i>	Select a folktale and explain the theme (use the recommended text on drama)
10	The consonant sound /h/	Direct and Indirect Speech	Reinforcement of Week 3 passage	Formal Letter – <i>Invitation as a Guest Speaker</i>	Use the recommended text on drama
11	–	–	–	–	Revision of Literary Terms
12	–	–	–	–	Examination
13	–	–	–	–	Closing

**JSS2 ENGLISH STUDIES SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Speech Work</b>	<b>Grammar</b>	<b>Reading &amp; Comprehension</b>	<b>Composition</b>	<b>Literature in English</b>
1	Revision of Diphthongs	Reported Speech – Rules guiding the use of reported speech	Reading to provide alternative words that fit into context to replace target words	Report Writing – Outline and features	Use the recommended text on prose
2	Intonation – Identification of patterns in statements, questions and commands	Making sentences with Prepositions	Reading for speed (avoidance of vocalizations, regressive reading, phrase reading)	Report Writing – <i>An Accident I Witnessed</i>	Themes and Characterization in the recommended prose text
3	Stress and Intonation – Making statements, giving commands and asking questions with different intonation patterns	Regular and Irregular Verbs	Skimming and Scanning techniques for speed reading	Informal Letter – <i>A Letter to a Friend about Your School Inter-Sports</i>	Use the recommended text on drama
4	Stress – Identifying correct points of pauses in words (e.g. import/Import)	Reported Commands and Dialogue	Vocabulary Development – ICT	Formal Letter – <i>To the Local Government Chairman about a Flood Menace in Your Area</i>	Use the recommended drama text (Language, Setting and Characterization)
5	<b>Midterm Examination</b>	<b>Midterm Examination</b>	<b>Midterm Examination</b>	<b>Midterm Examination</b>	<b>Midterm Examination</b>
6	Rhythm – Identification of appropriate rhythm in a given poem	Reported Requests	Distinguishing facts and opinions in passages	Argumentative Essay – <i>Herbal Medicines are More Potent than Orthodox Medicines</i>	Identification of figures of speech in the recommended prose text

7	Midterm Break	Midterm Break	Midterm Break	Midterm Break	Midterm Break
8	Review of Stress and Intonation (Weeks 3 & 4)	Adverbials and the Present Tense	Vocabulary Development – Science and Technology	Expository Essay – <i>Entrepreneurship</i>	Distinguish between Irony, Euphemism and Hyperbole; Write a short play on <i>The Reward of Honesty</i>
9	Consonants / s / and / z / (sip/zip, stone/zebra, this/these, loose/lose)	Introduction to Punctuation Marks	Reading to summarize a selected passage	Narrative Essay – <i>My Last Birthday</i>	Summary of the recommended prose text
10	Consonant sounds / k / and / g / as in cup /gulp and chaos/alligator.	Punctuation Marks – The Full Stop and the Comma	Reading to identify main and supporting ideas in a passage	Story Writing – <i>The Meeting</i>	Summary of the recommended drama text
11	Consonants /m/, /n/ /s/ as in man, nanny, singer, etc.	Punctuation Marks continued – Question Mark, Colon, Semi-colon	Reading as in Week 1 (contextual vocabulary practice)	Review of Types of Letters and Essays	Review of Literary Terms
12	–	–	–	–	Revision
13	–	–	–	–	Examination and Closing

**JSS2 ENGLISH STUDIES SCHEME OF WORK**

**THIRD TERM**

<b>Week</b>	<b>Speech Work</b>	<b>Grammar</b>	<b>Reading &amp; Comprehension</b>	<b>Composition</b>	<b>Literature in English</b>
1	Revision of Stress and Intonation	The use of conjunctions – <i>although</i> and <i>whereas</i> as contrasts	Reading to understand the writer’s purpose by identifying keywords in a passage	Review of Formal and Informal Letters	Review of Literary Terms and Figures of Speech
2	Consonant sounds /t/, /d/, /p/, /s/, /b/ in initial, medial, and final positions	Using <i>despite</i> and <i>in spite of</i> with examples	Reading to summarize key ideas from paragraphs	Report Writing	Use of recommended prose text; Themes in Myths and Legends
3	Consonant sounds /ʃ/ and /ʒ/ as in <i>sheep/cheap</i> and <i>mash/march</i>	The uses of <i>have, has, and had</i>	Reading to infer author’s intention in a passage	Composition – <i>Pride Goes Before a Fall</i>	Characterization, Theme, and Diction in recommended prose; Write a story on <i>Honesty and Fair Play</i>
4	Consonant sounds /θ/ and /ð/ as in <i>think/father</i> and <i>mouth/lathe</i>	Synonyms with examples	Identifying words/expressions that signal or redirect attention to main points	Composition – <i>The Responsibilities of Government.</i>	Recommended prose text; Writing a simple poem on Laziness
5	<b>Midterm Examination</b>	<b>Midterm Examination</b>	<b>Midterm Examination</b>	<b>Midterm Examination</b>	<b>Midterm Examination</b>
6	Consonant sounds /w/ and /j/ as in <i>wonder/university</i> and <i>win/yellow</i>	Antonyms with examples	As in Week 1; Vocabulary Development – Conflict Resolution	Composition – <i>A Memorable Journey I Once Made</i>	Moral lessons in recommended prose text; Setting and Plot
7	<b>Midterm Break</b>	<b>Midterm Break</b>	<b>Midterm Break</b>	<b>Midterm Break</b>	<b>Midterm Break</b>

8	Contrasting vowels /ʊ/ and /u:/ as in <i>look/youth</i> and <i>book/food</i>	Causative verbs (e.g. <i>blacken</i> – to cause to become black)	As in Week 2; Vocabulary Development – Religion	Writing a Dialogue	Recommended drama text; Figures of Speech in drama
9	Contrast between vowels /ɜ:/ and /ʌ/ ( <i>caught/come, lawn/love</i> )	Adverbs of Place ( <i>by the gate, in the school, on the field</i> )	As in Week 3	Composition – <i>The Day I Would Not Like to Remember</i>	Recommended drama text; Dramatization of extracts
10	Review of consonant and vowel sounds	Review of prefixes and suffixes	As in Week 4	Composition – <i>The Rich Also Cry</i>	Characterization, Diction, Plot, and Theme in recommended drama text
11	Review of consonant sounds with emphasis on /θ/ and /ð/	More on Question Tags	Review of Language Skills	Review of Letter Writing and Essay Writing	Review of recommended prose and drama texts
12	–	–	–	–	Revision
13	–	–	–	–	Examination and Closing

## JSS2 MATHEMATICS SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Basic Operation of Integers / Whole Numbers I	Whole numbers in standard forms; decimal numbers in standard forms.
2	Basic Operation of Integers / Whole Numbers II	I. Prime factors and applications in solving problems. II. Continuation of operations on whole numbers with emphasis on addition, subtraction, multiplication, and division.
3	LCM & HCF	Lowest Common Multiple (LCM); Highest Common Factor (HCF); introduction to square and square roots; application in quantitative reasoning.
4	Fractions – Transactions in Homes and Offices	Expressing fractions as ratios, decimals, and percentages; application of fractions in daily transactions; quantitative reasoning on fractions, ratios, and percentages.
5	Midterm Examination	—
6	Approximation	Approximation of numbers to decimal places, significant figures, whole numbers, nearest tens, hundreds, thousands, tenths, hundredths, and thousandths; application in quantitative reasoning.
7	Midterm Break	—
8	Directed and Non-Directed Numbers	Definition and examples of directed and non-directed numbers; use of square and square root tables.
9	Multiplication and Division of Directed Numbers	Multiplication and division of directed and non-directed numbers with practical exercises.
10	Algebraic Expressions I	Definition of algebraic expressions with examples; expression of algebraic forms; factorization of simple algebraic expressions.
11	Algebraic Expressions II	Expansion and factorization of quadratic expressions; definition of algebraic fractions; addition and subtraction of algebraic fractions with whole number denominators; application of quantitative reasoning in solving algebraic fraction problems.
12	Revision and Examination	General revision of all topics taught during the term followed by end-of-term examination and closing activities.
13	Closing	

## JSS2 MATHEMATICS SCHEME OF WORK

### SECOND TERM

Week	Topic	Content
1	Review of First Term's Work	Emphasis on algebraic expressions, solving of quadratic equations, and transactions at home and offices.
2	Simple Equations	Meaning of algebraic equations; differences between algebraic expressions and algebraic equations; solving problems on simple algebraic equations.
3	Linear Inequalities I	Definition of linear inequalities; introduction to symbols and basic properties of inequalities.
4	Linear Inequalities II	Word problems leading to simple inequalities in one variable; solving and interpreting results.
5	Midterm Examination	—
6	Graphs I	Graphical representation; graphs of Cartesian plane (the axis); introduction to graphs of linear equations in two variables.
7	Midterm Break	—
8	Graphs II	Plotting of linear graphs in two variables from real-life situations; solving quantitative reasoning problems on graphs.
9	Plane Figures/Shapes	Identifying plane shapes in the environment; properties of plane shapes e.g. square, rectangle, parallelogram, rhombus, and kite.
10	Scale Drawing of Length and Distances	Meaning and purpose of scale drawing; measurement and representation on paper.
11	Quantitative Aptitude	Meaning of quantitative aptitude; reasons for studying it; solving problems related to plane shapes/figures and scale.
12	Revision and Examination	General revision of all topics taught during the term and Second Term Examination
13	Closing	Vacation activities.

**JSS2 MATHEMATICS SCHEME OF WORK**

**THIRD TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
	Revision of Second Term's Examination	Representation of real-life situations on a graph and reasons.
	Angles and Polygons	Definition of angles; construction of more angles ( $75^\circ$ , $105^\circ$ , $120^\circ$ , $135^\circ$ etc.); definition of polygon with examples; sum of interior angles of a regular polygon as $(2n - 4)$ right angles; solving problems on interior angles of convex polygons.
	Angles of Elevation and Depression	Definition of angle of elevation with practical illustrations; solving problems by measuring angles of elevation; definition of angle of depression with practical examples; calculating distances and heights using scale drawings; solving quantitative aptitude problems on angles.
	Bearings and Distances I	Identifying the cardinal points; locating positions of objects; finding distances and bearings using scale drawing.
	Midterm Examination	—
	Bearings and Distances II	Constructing triangles (2 sides & included angle, 2 angles & included side, 3 sides); bisecting given angles.
	Midterm Break	—
	Statistics I – Data Presentation	Collecting data from home, school, church, and market; presenting data in ordered forms and frequency tables.
	Statistics II – Graphical Representation	Plotting pie charts; interpreting data and stating their usefulness in everyday life.
0	Probability	Definition of probability as chances/events; importance and usefulness in daily activities; examples of chances/events; generating events using ludo and tossing of coins; solving simple problems; calculating probability of events from experiments.
1	Revision	General revision of all topics taught during the term.
2	Examination	Third Term Examination.
3	Vacation	End of session activities.

## JSS 2 PHYSICAL & HEALTH EDUCATION SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Posture	Meaning of Posture
2	Posture	Appropriate Posture in Sitting, Standing, Walking and Lifting
3	Postural Defects	Types of Postural Defects
4	Issues & Challenges in Physical & Health Education	Meaning, Issues and Challenges
5	<b>Midterm Exams</b>	—
6	Human Trafficking	Meaning, Health Implications on Victims
7	<b>Midterm Break</b>	—
8	Human Trafficking	Solutions to Human Trafficking
9	Sports Laws	Sports Laws
10	Recreation & Leisure	Meaning and Types of Recreational Activities
11–13	<b>Revision, Examination &amp; Closing</b>	—

**JSS 2 PHYSICAL & HEALTH EDUCATION SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Recreation & Leisure	Demonstration of Recreational Activities
2	Dance Activities	Dramatic & Creative Rhythms – Explanation & Demonstration
3	Dance Activities	Types of Dance Activities
4	Computer Games	Meaning and Types of Computer Games
5	<b>Midterm Exams</b>	—
6	Table Tennis	History & Development; Equipment and Facilities
7	<b>Midterm Break</b>	—
8	Table Tennis	Officials and their Duties
9	Tennis	History & Development; Facilities and Equipment
10	Tennis	Scoring System, Officials and Terminologies
11–13	<b>Revision, Examination &amp; Closing</b>	—

## JSS 2 PHYSICAL & HEALTH EDUCATION SCHEME OF WORK

### THIRD TERM

Week	Topic	Content
1	Accidents & Safety	Meaning of Accidents; Safety Measures at Home, School, Sports Ground, and on the Road
2	Sports Injuries	Meaning, Types and Causes of Sports Injuries
3	First Aid	First Aid Treatment for Common Injuries
4	Preventive Measures	Measures for Preventing Sports Injuries (merged with First Aid)
5	<b>Midterm Exams</b>	—
6	Personal, School & Community Health	School Health Programme; Personal and Community Health
7	<b>Midterm Break</b>	—
8	School Health Programme	Components; FRESH Approach
9	Environmental Pollution	Types of Environmental Pollution; Preventive Measures
10	Non-communicable Diseases	Meaning and Nature of Common Non-communicable Diseases
11-13	<b>Revision, Examination &amp; Closing</b>	—

**JSS 2 CHRISTIAN RELIGIOUS STUDIES SCHEME OF WORK**

**FIRST TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	The Annunciation	Isa. 9:6-7; Matt 1:22-23; Luke 1:30-33
2	The Birth of Jesus	Matt 1:18-25; Luke 2:1-7
3	The Visit of the Wise Men	Matt 2:1-12
4	The Visit of the Shepherds	Luke 2:8-20
5	<b>Midterm Examination</b>	—
6	The Value of Virginity and Faithfulness after Marriage	Christian moral lessons
7	<b>Midterm Break</b>	—
8	Meaning & Significance of The Virgin Birth of Jesus	Doctrinal and faith implications
9	Jesus and His Family	Jesus' siblings (Matt 13:53-56; Mk 6:1-3); Obedience to parents (Lk 2:51-52)
10	Jesus' Understanding of Family & Baptism of Jesus	Matt 12:46-50; Mk 3:31-35; John the Baptist as forerunner (Mk 1:1-8; Lk 3:1-20); Baptism of Jesus (Matt 3:13-17)
11	<b>Revision</b>	—
12	<b>Examination</b>	—
13	<b>Closing</b>	—

**JSS 2 CHRISTIAN RELIGIOUS STUDIES SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Call of the First Disciples	Matt 4:18-22; Mk 1:14-20; Lk 5:1-11
2	Call of the Twelve Disciples	Mk 3:13-19
3	Demands of Discipleship	Matt 8:18-22; Lk 9:57-62; Lk 14:25-34
4	The Beatitudes	Matthew 5:1-12
5	<b>Midterm Examination</b>	—
6	Christians as Salt & Light	Matt 5:13-16
7	<b>Midterm Break</b>	—
8	Jesus' Teaching on Revenge	Matt 5:38-42
9	Jesus' Teaching on Prayer, Fasting & Forgiveness	Matt 6:5-18; Matt 6:14-15
10	Jesus' Teaching on Love of Money & Anxiety	Matt 6:19-34; Matt 6:25-34
11	<b>Revision</b>	—
12	<b>Examination</b>	—
13	<b>Closing</b>	—

**JSS 2 CHRISTIAN RELIGIOUS STUDIES SCHEME OF WORK**

**THIRD TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	The Triumphal Entry	Matt 21:1-11; Mk 11:1-11; Lk 19:28-44
2	The Last Supper	Matt 26:17-30
3	Betrayal & Arrest of Jesus	Mk 14:43-52; Matt 26:47-56
4	Trial & Peter's Denial	Matt 26:57-75; Situations leading to denial of Christ
5	<b>Midterm Examination</b>	—
6	Crucifixion of Jesus	Matt 27:32-44
7	<b>Midterm Break</b>	—
8	Death and Burial of Jesus	Matt 27:45-61
9	Resurrection of Jesus	Matt 28:1-10; Mk 16:1-8; Lk 24:1-12
10	Appearances, Significance & Role of Women	Post-resurrection appearances; Meaning for Christians today; Women in the resurrection
11	<b>Revision</b>	—
12	<b>Examination</b>	—
13	<b>Closing</b>	—

**JSS2 ISLAMIC RELIGIOUS STUDIES (IRS) SCHEME OF WORK**

**FIRST TERM**

<b>Week</b>	<b>Topic</b>	<b>Breakdown (Subtopics)</b>
1	Revision of JSS1 Qur'anic Recitations	<ul style="list-style-type: none"> <li>• Review of Surahs: <i>Tariq, Buruj, Inshiqaq</i></li> <li>• Pronunciation and Tajwid practice</li> </ul>
2	Qur'anic Recitation: <i>Suratul A'la</i> (Q87:1–19)	<ul style="list-style-type: none"> <li>• Recitation and memorization</li> <li>• Translation and moral lessons</li> <li>• Lessons on glorifying Allah</li> </ul>
3	Qur'anic Recitation: <i>Suratul Ghashiyah</i> (Q88:1–26)	<ul style="list-style-type: none"> <li>• Meaning and interpretation</li> <li>• Lessons on the Hereafter</li> </ul>
4	Qur'anic Recitation: <i>Suratul Fajr</i> (Q89:1–30)	<ul style="list-style-type: none"> <li>• Recitation and memorization</li> <li>• Explanation of moral messages on patience and obedience</li> </ul>
<b>5</b>	<b>MID-TERM EXAMINATION</b>	<b>Assessment on Surahs and Tajwid Rules</b>
6	Rules of Madd (Prolongation)	<ul style="list-style-type: none"> <li>• Meaning and types of Madd</li> <li>• Application during recitation</li> </ul>
<b>7</b>	<b>MID-TERM BREAK</b>	<b>Holiday/Rest</b>
8	Rules of Qalqalah	<ul style="list-style-type: none"> <li>• Meaning and letters of Qalqalah</li> <li>• Examples and practical application</li> </ul>
9	Rules of Idgham and Ikhfa (Revision and Practice)	<ul style="list-style-type: none"> <li>• Review of previous Tajwid rules</li> <li>• Recitation drills</li> </ul>
10	The Importance of Perfecting Recitation	<ul style="list-style-type: none"> <li>• Role of Tajwid in Qur'anic understanding and preservation</li> </ul>
<b>11</b>	<b>REVISION</b>	<b>Comprehensive review of Surahs and Tajwid</b>
<b>12</b>	<b>EXAMINATION</b>	<b>End of Term Assessment</b>
<b>13</b>	<b>CLOSING/VACATION</b>	<b>Term ends</b>

**JSS2 ISLAMIC RELIGIOUS STUDIES (IRS) SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Breakdown (Subtopics)</b>
1	Introduction to the Hadith of the Prophet (SAW)	<ul style="list-style-type: none"> <li>• Review of Hadith meaning</li> <li>• Transmission and preservation of Hadith</li> </ul>

2	Selected Hadith on Good Character	<ul style="list-style-type: none"> <li>• Importance of honesty, humility, and patience</li> <li>• Moral lessons from Hadith</li> </ul>
3	Hadith on Brotherhood and Unity	<ul style="list-style-type: none"> <li>• Concept of brotherhood in Islam</li> <li>• The Prophet's teachings on peace and unity</li> </ul>
4	Hadith on Justice and Equality	<ul style="list-style-type: none"> <li>• Islamic view on fairness and equality</li> <li>• Applications in daily life</li> </ul>
5	<b>MID-TERM EXAMINATION</b>	<b>Assessment on Hadith Studies</b>
6	Tahdhib: Good Manners and Social Conduct	<ul style="list-style-type: none"> <li>• Islamic etiquette in speech, dress, and behavior</li> </ul>
7	<b>MID-TERM BREAK</b>	<b>Holiday/Rest</b>
8	Tahdhib: Respect for Parents and Elders	<ul style="list-style-type: none"> <li>• Importance of filial piety</li> <li>• Lessons from the Prophet's examples</li> </ul>
9	Avoidance of Corruption and Dishonesty	<ul style="list-style-type: none"> <li>• Islamic teachings on truth and integrity</li> </ul>
10	The Role of the Muslim in Society	<ul style="list-style-type: none"> <li>• Living as a good Muslim in community and school</li> </ul>
11	<b>REVISION</b>	<b>Comprehensive review of Hadith and Tahdhib</b>
12	<b>EXAMINATION</b>	<b>End of Term Assessment</b>
13	<b>CLOSING/VACATION</b>	<b>Term ends</b>

## JSS2 ISLAMIC RELIGIOUS STUDIES (IRS) SCHEME OF WORK

### THIRD TERM

Week	Topic	Breakdown (Subtopics)
1	Review of Fiqh from JSS1	• Overview of prayers and Iman
2	The Pillars of Islam (Arkan al-Islam)	• Shahadah, Salah, Sawm, Zakah, Hajj • Significance of each pillar
3	Types of Fasting (Sawm)	• Obligatory, voluntary, and prohibited fasting • Rules and benefits
4	Zakah and Charity	• Meaning, purpose, and recipients • Social benefits of giving
5	<b>MID-TERM EXAMINATION</b>	<b>Assessment on Pillars of Islam and Fiqh</b>
6	Faith in Angels and Prophets	• Roles and responsibilities of Angels • Importance of Prophets as guides
7	<b>MID-TERM BREAK</b>	<b>Holiday/Rest</b>
8	Faith in the Day of Judgment	• Description of life after death • Preparation for accountability
9	Faith in Divine Decree (Qadar)	• Meaning and acceptance of destiny • Balancing belief and effort
10	Applying Iman in Daily Life	• Living in obedience and submission to Allah
11	<b>REVISION</b>	<b>Comprehensive review of Fiqh and Iman</b>
12	<b>EXAMINATION</b>	<b>End of Term Assessment</b>
13	<b>CLOSING/VACATION</b>	<b>Term ends</b>

## JSS2 NIGERIAN HISTORY SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Independence of Nigeria	Events of October 1, 1960; Prime Minister and Governor-General
2	First Republic (1963–1966)	Leaders; Political parties; Achievements and problems
3	Military Rule in Nigeria I	Causes of the January 1966 coup
4	Military Rule in Nigeria II	Counter-coup of July 1966; Gowon's regime
5	Midterm Test	–
6	Nigerian Civil War I	Causes of the war (1967–1970)
7	Midterm Break	–
8	Nigerian Civil War II	Major events; End of war; "No victor, no vanquished" policy
9	Post-Civil War Nigeria	Reconstruction, reconciliation, rehabilitation
10	Oil Boom of the 1970s	Discovery of crude oil; Effects on economy
11	Revision	–
12	Examination	–
13	Closing	–

## JSS2 NIGERIAN HISTORY SCHEME OF WORK

### SECOND TERM

Week	Topic	Content
1	Second Republic (1979–1983)	Leaders; Achievements; Problems
2	Military Rule in the 1980s	Buhari/Idiagbon regime; Babangida regime
3	Military Rule in the 1990s	Abacha regime; Abdulsalami Abubakar
4	Return to Democracy	1999 transition to civilian rule
5	Midterm Test	–
6	Democratic Governance	Fourth Republic; Presidents since 1999
7	Midterm Break	–
8	Challenges of Democracy	Corruption, elections, insecurity
9	Human Rights in Nigeria	Abuses and remedies
10	Nigerian Foreign Policy	Principles; Relations with ECOWAS, AU, UN
11	Revision	–
12	Examination	–
13	Closing	–

## JSS2 NIGERIAN HISTORY SCHEME OF WORK

### THIRD TERM

Week	Topic	Content
1	Women in Nigerian History	Funmilayo Ransome-Kuti, Margaret Ekpo, Queen Amina
2	Youths in Nigerian History	Students' unionism; Role in independence and democracy
3	Workers in Nigerian History	Trade unions; Nigerian Labour Congress
4	Education and Development	UPE, UBE, tertiary education
5	Midterm Test	–
6	Nigerian Economy	Agriculture, oil, manufacturing
7	Midterm Break	–
8	Science and Technology in Nigeria	Growth and challenges
9	Sports and National Unity	Notable Nigerian sports achievements
10	Culture and Tourism	Nigerian cultural heritage; Tourism development
11	Revision	–
12	Examination	–
13	Closing	–

## JSS2 SOCIAL AND CITIZENSHIP STUDIES

### FIRST TERM

Week	Topic	Content
1	Citizenship	Meaning; Acquisition (birth, registration, naturalisation)
2	Rights and Responsibilities	Interdependence of rights and duties
3	Constitution	Meaning; Features; Importance in governance
4	Government Institutions	Executive, legislature, judiciary; Functions
5	Midterm Test	–
6	Civic Virtues	Honesty, discipline, integrity, cooperation, tolerance
7	Midterm Break	–
8	Public Service	Meaning; Importance; Challenges
9	Democracy in Practice	Elections, political parties, voting process
10	Human Trafficking	Meaning; Causes; Consequences; Prevention
11	Revision	–
12	Examination	–
13	Closing	–

**JSS2 SOCIAL AND CITIZENSHIP STUDIES**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Population and Society	Population growth; Effects on resources and development
2	Social Problems	Drug abuse, cultism, prostitution, terrorism
3	Crime and National Security	Types of crime; Effects; Security agencies
4	Human Rights Abuse	Examples in Nigeria; Remedies
5	Midterm Test	–
6	Electoral Malpractices	Meaning; Examples; Effects on democracy
7	Midterm Break	–
8	Media and Society	Roles of media; Influence on citizenship
9	International Organisations	UN, AU, ECOWAS; Roles in peace and security
10	Global Citizenship	Meaning; Qualities of a good global citizen
11	Revision	–
12	Examination	–
13	Closing	–

## JSS2 SOCIAL AND CITIZENSHIP STUDIES

### THIRD TERM

Week	Topic	Content
1	Economic Values	Thrift, saving, investment, entrepreneurship
2	Taxation and Civic Duty	Importance of paying tax for national development
3	Environmental Citizenship	Sanitation, waste management, protection of environment
4	Human Rights Institutions	NHRC, Legal Aid Council, NGOs; Roles
5	Midterm Test	–
6	Corruption and Accountability	Transparency; Whistleblowing; Anti-corruption agencies
7	Midterm Break	–
8	National Development	Meaning; Indicators; Citizens' roles
9	Social Institutions	Family, religion, education; Their civic functions
10	Civic Challenges in Nigeria	Poverty, illiteracy, unemployment
11	Revision	–
12	Examination	–
13	Closing	–

## JSS 2 CULTURAL & CREATIVE ARTS (CCA) SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	<b>Elements of Design/ Art</b>	Meaning of elements of design; Elements of design (line, shape, colour, texture, space, form, value); Applications of elements of design.
2	<b>Principles of Design/ Art</b>	Meaning of principles of design; Principles of design (balance, contrast, harmony, rhythm, proportion, unity); Uses of principles of design.
3	<b>Crafts: Materials, Tools and Equipment</b>	Meaning of crafts; Materials/tools/equipment for making crafts; Craft locations in Nigeria.
4	<b>The Study of Colours (Part 1)</b>	Meaning of colour; Classification and mixing of colours; Importance of colour in painting and design.
5	<b>Midterm Test</b>	—
6	<b>The Study of Colours (Part 2)</b>	Local colours and their sources; Attributes/characteristics of colour; Uses of colour.
7	<b>Midterm Break</b>	—
8	<b>The Study of Colours (Part 3)</b>	Making a colour wheel (practical).
9	<b>Colour Application in Crafts</b>	Colour production; Application of colour in craft works; Why we apply colours on crafts.
10	<b>Drawing</b>	Meaning of drawing; Types of drawing; Materials/media for drawing; Shading techniques in drawing; Purpose of drawing.
11	<b>Revision</b>	Revision of all topics.
12	<b>Examination</b>	First Term Exam.
13	<b>Closing</b>	End of term activities.

## JSS 2 CULTURAL & CREATIVE ARTS (CCA) SCHEME OF WORK

### SECOND TERM

Week	Topic	Content
1	<b>Painting (Part 1)</b>	Meaning of painting; Steps in painting objects from observation.
2	<b>Painting (Part 2)</b>	Using colours; Types of paint; Types of painting.
3	<b>Production of Patterns/Design (Part 1)</b>	What is pattern/design?; Processes involved in making patterns/designs.
4	<b>Production of Patterns/Design (Part 2)</b>	Sources of motifs for patterns/designs; Types of patterns/designs; Differences between types of patterns.
5	<b>Midterm Test</b>	—
6	<b>Bead Work</b>	Meaning of bead work; Production of different forms of beads in different media of jewellery; Uses of beads as creative objects.
7	<b>Midterm Break</b>	—
8	<b>History of Music</b>	Circumstances that led to the origin of music; Examples of early forms of music around the world.
9	<b>Musical Practices: Listening (Part 1)</b>	Listening and appreciating popular music in Nigeria; Some popular music in Nigeria's transition period.
10	<b>Musical Practices: Listening (Part 2)</b>	Music styles; Musical instruments; Early forms of music.
11	<b>Revision</b>	Revision of all topics.
12	<b>Examination</b>	Second Term Exam.
13	<b>Closing</b>	End of term activities.

## JSS 2 CULTURAL & CREATIVE ARTS (CCA) SCHEME OF WORK

### THIRD TERM

Week	Topic	Content
1	<b>Singing (Part 1)</b>	Meaning of singing; Running scale; Pitch identification.
2	<b>Singing (Part 2)</b>	Types of singing voices; Uses of breathing exercises for voice training.
3	<b>Singing (Part 3)</b>	Solfa notes of the National Anthem.
4	<b>Design in the Theatre</b>	Meaning of theatre design; Areas of theatre design; Elements of design in the theatre; Importance of theatre design.
5	<b>Midterm Test</b>	—
6	<b>Rehearsal</b>	Meaning of rehearsal; Activities involved in rehearsals; Stages of rehearsal; Uses of rehearsal.
7	<b>Midterm Break</b>	—
8	<b>Types of Dance</b>	Types of dance (traditional, modern, creative, etc.).
9	<b>Dance as a Career</b>	Meaning of dance as a career; Career prospects of studying dance; Some dance artists in Nigeria.
10	<b>Self-Control</b>	Meaning of self-control; How to exercise self-control; Benefits of self-control; How to practise self-control.
11	<b>Revision</b>	Revision of all topics.
12	<b>Examination</b>	Third Term Exam.
13	<b>Closing</b>	End of session activities.

## JSS 2 FRENCH SCHEME OF WORK

### FIRST TERM

Week	Thème / Unité	Contenu
1	Unité 1: Demander et expliquer la position	Savoir demander et expliquer la position des personnes ou des choses les unes par rapport aux autres
2	Unité 2: Situer les lieux	Situer les lieux les uns par rapport aux autres
3	Unité 3: Accueillir et guider quelqu'un	Accueillir, pouvoir guider quelqu'un dans un espace intérieur
4	Unité 4: Demander/indiquer le chemin	Savoir demander/indiquer le chemin pour aller quelque part
5	<b>Midterm Examination</b>	—
6	Unité 5: Les moyens de transport	Parler des différents moyens de transport
7	<b>Midterm Break</b>	—
8	Unité 6: Expliquer un trajet	Savoir expliquer un trajet en transport public
9	Unité 7: Demander/indiquer des horaires	Demander/indiquer des horaires
10	Unité 8: Réagir à un problème de transport	Savoir réagir à un problème de transport
11	<b>Revision</b>	—
12	<b>Examination</b>	—
13	<b>Closing</b>	—

**JSS 2 FRENCH SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Thème / Unité</b>	<b>Contenu</b>
1	Unité 9: Établir des listes/inventaires	Établir des listes, établir des inventaires
2	Unité 10: Les commerçants et marchandises	Savoir nommer les commerçants, les marchandises et leur mode de présentation
3	Unité 11: Acheter et marchander	Dire ce que l'on veut acheter, demander le prix, marchander et payer
4	Unité 12: Exprimer un besoin et son utilité	Savoir dire de quoi on a besoin, à quoi ça sert
5	<b>Midterm Examination</b>	—
6	Unité 13: À la pharmacie	Demander un remède, expliquer une maladie
7	<b>Midterm Break</b>	—
8	Unité 14: Les vêtements, chaussures et accessoires	Parler des caractéristiques des vêtements, chaussures et accessoires
9	Unité 15: Apprécier, comparer, choisir	Apprécier quelque chose, comparer, exprimer une hésitation et exprimer un choix
10	Unité 16: Quantité et qualité des produits	Savoir préciser la quantité et la qualité des produits
11	<b>Revision</b>	—
12	<b>Examination</b>	—
13	<b>Closing</b>	—

## JSS 2 FRENCH SCHEME OF WORK

### THIRD TERM

Week	Thème / Unité	Contenu
1	Unité 17: Opérations de calcul simple	Savoir utiliser les opérations de calcul simple
2	Unité 18: Nourriture et boissons	Savoir dire ce qu'on mange et ce qu'on boit
3	Unité 19: Recettes de cuisine	Comprendre des recettes de cuisine et expliquer comment réaliser des plats
4	Unité 20: Au restaurant/café	Faire une réservation, passer une commande, demander l'addition dans un restaurant ou café
5	<b>Midterm Examination</b>	—
6	<b>Projet oral et écrit</b>	Jeux de rôle: transport, marché, pharmacie, restaurant (révision intégrée)
7	<b>Midterm Break</b>	—
8	<b>Révision générale des unités 17–20</b>	Exercices de consolidation
9	<b>Évaluation orale/pratique</b>	Conversations guidées (dialogues sur transport, achats, nourriture, restaurant)
10	<b>Préparation aux examens</b>	Exercices d'expression écrite et orale
11	<b>Revision</b>	—
12	<b>Examination</b>	—
13	<b>Closing</b>	—

## JSS 2 INTERMEDIATE SCIENCE SCHEME OF WORK

### FIRST TERM

Week	Topic	Breakdown (Subtopics)
1	Review of JSS 1 Science Concepts	Revision of matter, energy, and environment; Laboratory rules and safety recap; Importance of observation and measurement
2	Components of the Environment	Biotic and abiotic components; Interdependence between living and non-living things; Food chains and food webs; Energy flow in ecosystems
3	Soil Formation and Conservation	Meaning of soil and its formation; Types of soil and characteristics; Soil erosion and conservation practices; Importance of soil to living things
4	Environmental Pollution	Meaning and types (air, water, soil, noise); Causes and effects; Control and prevention methods; Roles of individuals and government agencies
5	<b>MID-TERM EXAMINATION</b>	<b>Assessment of Weeks 1–4</b>
6	<b>MID-TERM BREAK</b>	<b>Holiday/Rest</b>
7	Waste and Its Management	Meaning and types of waste; Waste disposal methods; Reduce, Reuse, Recycle (3Rs); Effects of poor waste management
8	Air and Water Pollution	Sources of air and water pollution; Effects on living organisms; Prevention and purification methods; Experiment: filtration of muddy water
9	Conservation of Natural Resources	Meaning and types of natural resources; Importance of conservation; Renewable vs. non-renewable resources; Role of individuals in conservation
10	Climate and Environmental Changes	Meaning and causes of climate change; Effects of global warming; Mitigation and adaptation strategies; School-based tree planting projects
11	<b>REVISION</b>	<b>Review of all topics in Term 1</b>
12	<b>EXAMINATION</b>	<b>End of Term Assessment</b>
13	<b>CLOSING/VACATION</b>	<b>Term ends</b>

## JSS 2 INTERMEDIATE SCIENCE SCHEME OF WORK

### SECOND TERM

Week	Topic	Breakdown (Subtopics)
1	Elements, Compounds and Mixtures	Meaning and examples; Differences between elements, compounds, and mixtures; Simple separation techniques; Practical demonstrations
2	Acids, Bases and Salts	Meaning and identification; Common household acids and bases; Indicators (litmus, turmeric, methyl orange); Neutralization reactions
3	The Human Body	Digestive, circulatory, and respiratory systems; Functions of major organs; Healthy habits and body care; Simple diagrams and labeling
4	Reproduction in Plants and Animals	Meaning and types (sexual, asexual); Structure and function of reproductive organs; Importance of reproduction; Life cycles of selected animals
5	<b>MID-TERM EXAMINATION</b>	<b>Assessment of Weeks 1–4</b>
6	<b>MID-TERM BREAK</b>	<b>Holiday/Rest</b>
7	Classification of Living Things	Basis for classification; Five kingdoms of living organisms; Major characteristics of each group; Examples and simple charts
8	Cells as the Basic Units of Life	Meaning and discovery of cells; Cell structure and functions; Differences between plant and animal cells; Use of microscope (demonstration)
9	Growth and Development	Definition of growth and development; Factors affecting growth; Stages in human development; Measurement of growth
10	Microorganisms	Types: bacteria, fungi, virus, protozoa; Beneficial and harmful effects; Control of harmful microorganisms; Experiment: observing mould growth
11	<b>REVISION</b>	<b>Review of all topics in Term 2</b>
12	<b>EXAMINATION</b>	<b>End of Term Assessment</b>
13	<b>CLOSING/VACATION</b>	<b>Term ends</b>

## JSS 2 INTERMEDIATE SCIENCE SCHEME OF WORK

### THIRD TERM

Week	Topic	Breakdown (Subtopics)
1	Forms and Sources of Energy	Light, heat, sound, mechanical, electrical, chemical; Renewable and non-renewable energy sources; Energy transformation; Simple classroom experiments
2	Heat and Temperature	Meaning of heat and temperature; Measurement using thermometers; Effects of heat on matter; Practical demonstrations
3	Light and Its Properties	Reflection, refraction, and absorption; Transparent, translucent, opaque objects; Shadows and eclipses; Simple activities with mirrors and lenses
4	Sound	Production and transmission of sound; Loudness, pitch, and vibration; Noise pollution; Sound safety measures
5	<b>MID-TERM EXAMINATION</b>	<b>Assessment of Weeks 1–4</b>
6	<b>MID-TERM BREAK</b>	<b>Holiday/Rest</b>
7	Electricity and Magnetism	Conductors and insulators; Simple circuits; Magnetic and non-magnetic materials; Safety precautions
8	Machines	Simple machines and their uses; Levers, pulleys, inclined planes; Mechanical advantage and efficiency; Practical demonstrations
9	Science, Technology and Development	Relationship between science and technology; Positive and negative effects of technology; Careers in science and technology; National development contributions
10	Skill Acquisition and Entrepreneurship	Meaning and importance; Vocational and technological skills; School-based projects; Self-reliance through practical skills
11	<b>REVISION</b>	<b>Review of all topics in Term 3</b>
12	<b>EXAMINATION</b>	<b>End of Term Assessment</b>
13	<b>CLOSING/VACATION</b>	<b>Term ends</b>

## JSS 2 DIGITAL TECHNOLOGIES SCHEME OF WORK

### FIRST TERM

Week	Topic	Breakdown (Subtopics)
1	Review of JSS1 Work	<ul style="list-style-type: none"><li>•Recap of hardware, software, and online safety</li></ul>
2	Basic Computer Communication Networks	<ul style="list-style-type: none"><li>• Meaning and need for networks</li><li>• Network types: LAN, MAN, WAN</li></ul>
3	Components of a Computer Network	<ul style="list-style-type: none"><li>• Servers, clients, switches, routers, hubs</li><li>• Network media: cables, wireless</li></ul>
4	Network Topologies	<ul style="list-style-type: none"><li>• Meaning and types: bus, star, ring</li><li>• Advantages and disadvantages</li></ul>
5	<b>MID-TERM TEST</b>	<b>Assessment of Weeks 1–4</b>
6	Internet and Web Services	<ul style="list-style-type: none"><li>• Search engines and browsers</li><li>• Email setup and etiquette</li></ul>
7	<b>MID-TERM BREAK</b>	<b>Holiday/Rest</b>
8	Cloud Computing	<ul style="list-style-type: none"><li>• Meaning of cloud storage</li><li>• Examples: Google Drive, Dropbox</li><li>• Advantages and safety</li></ul>
9	Cybersecurity Awareness	<ul style="list-style-type: none"><li>• Meaning of cybersecurity</li><li>• Types of cyberattacks</li><li>• Safe online habits</li></ul>
10	Data Protection	<ul style="list-style-type: none"><li>• Meaning and importance</li><li>• Legal and ethical responsibilities</li></ul>

11	<b>REVISION</b>	Review of term's topics
12	<b>EXAMINATION</b>	End of Term Assessment
13	<b>CLOSING/VACATION</b>	Term ends

## JSS 2 DIGITAL TECHNOLOGIES SCHEME OF WORK

### SECOND TERM

Week	Topic	Breakdown (Subtopics)
1	Introduction to Programming	<ul style="list-style-type: none"><li>• Meaning and importance</li><li>• Types of programming languages</li><li>• Examples: Scratch, Python</li></ul>
2	Basic Algorithms	<ul style="list-style-type: none"><li>• Meaning of algorithm</li><li>• Steps in problem solving</li><li>• Flowcharts and pseudocode</li></ul>
3	Block Coding	<ul style="list-style-type: none"><li>• Understanding block-based coding (Scratch)</li><li>• Creating basic animations</li></ul>
4	Variables in Programming	<ul style="list-style-type: none"><li>• Meaning and uses of variables</li><li>• Creating and naming variables in Scratch</li></ul>
5	<b>MID-TERM TEST</b>	<b>Assessment of Weeks 1–4</b>
6	Control with Conditions	<ul style="list-style-type: none"><li>• Conditional statements (IF, ELSE)</li><li>• Decision-making in programs</li></ul>
7	<b>MID-TERM BREAK</b>	<b>Holiday/Rest</b>
8	Loops in Programming	<ul style="list-style-type: none"><li>• Meaning of loops</li><li>• Types: for loop, while loop</li><li>• Applications in coding</li></ul>
9	Game Development with Visual Programming	<ul style="list-style-type: none"><li>• Steps in game creation</li><li>• Designing a simple interactive game</li></ul>

10	Debugging	<ul style="list-style-type: none"><li>• Meaning and importance</li><li>• Finding and fixing errors in code</li></ul>
11	<b>REVISION</b>	Review of programming concepts
12	<b>EXAMINATION</b>	End of Term Assessment
13	<b>CLOSING/VACATION</b>	Term ends

## JSS 2 DIGITAL TECHNOLOGIES SCHEME OF WORK

### THIRD TERM

Week	Topic	Breakdown (Subtopics)
1	Introduction to Robotics	<ul style="list-style-type: none"><li>• Meaning and types of robots</li><li>• Components of a robot</li><li>• Uses of robots</li></ul>
2	Parts and Functions of a Robot	<ul style="list-style-type: none"><li>• Sensors, actuators, controllers</li><li>• Role of software in robotics</li></ul>
3	Basic Robotic Movements	<ul style="list-style-type: none"><li>• Programming simple movements</li><li>• Concept of automation</li></ul>
4	Artificial Intelligence (AI)	<ul style="list-style-type: none"><li>• Meaning and types</li><li>• Applications in daily life</li></ul>
5	<b>MID-TERM TEST</b>	<b>Assessment of Weeks 1–4</b>
6	Difference Between AI and Robotics	<ul style="list-style-type: none"><li>• Interrelationship between AI and robotics</li><li>• Examples: drones, chatbots</li></ul>
7	<b>MID-TERM BREAK</b>	<b>Holiday/Rest</b>
8	Real-Life Application of AI	<ul style="list-style-type: none"><li>• AI in education, health, and business</li></ul>
9	Careers in Robotics and AI	<ul style="list-style-type: none"><li>• Job opportunities and skills needed</li></ul>
10	Class Project: Building a Simple Robot (Simulation)	<ul style="list-style-type: none"><li>• Hands-on digital model or simulation</li></ul>
11	<b>REVISION</b>	Review of all topics
12	<b>EXAMINATION</b>	End of Term Assessment
13	<b>CLOSING/VACATION</b>	Term ends

## JSS 2 BUSINESS STUDIES SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Effective Office Practice	Definition of an office; Types of offices; Importance of an office
2	The Reception Office	Meaning of reception office; Meaning of a receptionist; Importance of a receptionist
3	Duties of a Receptionist	Qualities of a good receptionist; How to receive and treat visitors
4	Office Etiquette	Appropriate office dress code; Documents handled by the receptionist
5	<b>Midterm Examination</b>	—
6	Office Correspondence (Part 1)	Meaning of office correspondence; Types of correspondence
7	<b>Midterm Break</b>	—
8	Office Correspondence (Part 2)	Uses of office correspondence; Ways mails come into an organisation
9	Handling of Mail	Inward mail and outward mail; Mail handling procedures
10	Office Documents	Meaning of office documents; Types of office documents; Preparation and uses of sales & purchase documents
11	<b>Revision</b>	—
12	<b>Examination</b>	—
13	<b>Closing</b>	—

## JSS 2 BUSINESS STUDIES SCHEME OF WORK

### SECOND TERM

Week	Topic	Content
1	Right Attitude to Work	Meaning; Punctuality; Regularity; Reward and punishment
2	Devotion to Duty	Attributes of people who are devoted to duty; Effects of devotion to duty
3	Commerce: The Heart of Business	Meaning and importance of trade; Forms of trade
4	Aids to Trade	Meaning; Types; Role of Customs and Excise in foreign trade
5	<b>Midterm Examination</b>	—
6	The Market	Meaning; Features of a market; Commodity, money and capital markets
7	<b>Midterm Break</b>	—
8	Careers in the Capital Market	Various careers; Importance of capital market to business
9	Buying and Selling	Buying by cash and credit; Cost of sales; Mark-up; Turnover
10	Profit and Loss	Calculation of profit/loss; Importance of profit to business
11	<b>Revision</b>	—
12	<b>Examination</b>	—
13	<b>Closing</b>	—

## JSS 2 BUSINESS STUDIES SCHEME OF WORK

### THIRD TERM

Week	Topic	Content
1	Distribution	Meaning; Channels of distribution; Functions of wholesalers and retailers
2	Licensed Chemical Vendors	Handling & distribution of chemicals; Effects of wrong handling
3	Financial Institutions: Banks	Commercial banks; Bank services; Ethical issues in banking
4	Insurance	Meaning; Services rendered by insurance companies; Types and benefits of insurance
5	<b>Midterm Examination</b>	—
6	Entrepreneurship	Meaning; Definition of entrepreneur; Personal qualities of an entrepreneur
7	<b>Midterm Break</b>	—
8	Business Opportunities	Meaning; How to discover opportunities; Types (local, national, international)
9	Consumer Rights & Responsibilities	Meaning of consumer rights; Consumerism; Eight universal rights of a consumer; Responsibilities of consumers
10	Shopping and After-Sales Services	Needs vs wants; Decision making; Impulse buying and its effects; After-sales services
11	<b>Revision</b>	—
12	<b>Examination</b>	—
13	<b>Closing</b>	—

**TRADE SUBJECTS IN JSS 2**

1. Solar Photovoltaic Installation and Maintenance
2. Fashion Design and Garment Making
3. Livestock Farming
4. Beauty and Cosmetology
5. Computer Hardware and GSM Repairs
6. Horticulture and Crop Production

## JSS 2 SOLAR PHOTOVOLTAIC (PV) INSTALLATION AND MAINTENANCE

### FIRST TERM

Week	Topic	Breakdown (Subtopics)
1	Review of JSS 1 Work	<ul style="list-style-type: none"><li>• Revision of basic concepts in solar PV systems</li><li>• Review of components and their functions</li><li>• Safety precautions during installation</li><li>• Importance of entrepreneurship in solar PV</li></ul>
2	Electricity Fundamentals	<ul style="list-style-type: none"><li>• Definition and importance of electricity</li><li>• Conductors and insulators</li><li>• Types of current: AC and DC</li><li>• Voltage, current, and resistance (Ohm's Law)</li><li>• Measuring electrical quantities using a multimeter</li></ul>
3	Energy Sources and Power Generation	<ul style="list-style-type: none"><li>• Renewable vs non-renewable energy</li><li>• Solar, wind, hydro, and thermal power</li><li>• Electricity generation process</li><li>• Importance of clean energy to the environment</li></ul>
4	Solar PV System Configuration	<ul style="list-style-type: none"><li>• Types of solar PV systems: standalone, grid-tied, hybrid</li><li>• Components connection (series and parallel)</li><li>• Advantages and disadvantages of each configuration</li><li>• System setup demonstration</li></ul>
5	<b>MID-TERM EXAMINATION</b>	<ul style="list-style-type: none"><li>• <b>Assessment on Weeks 1–4 Topics</b></li></ul>
6	Solar Charge Controllers	<ul style="list-style-type: none"><li>• Meaning and functions of charge controllers</li><li>• Types of charge controllers (PWM and MPPT)</li></ul>

		<ul style="list-style-type: none"> <li>• Importance of charge regulation</li> <li>• Controller installation and wiring practice</li> </ul>
<b>7</b>	<b>MID-TERM BREAK</b>	<ul style="list-style-type: none"> <li>• <b>Rest / Practical Exercises</b></li> </ul>
<b>8</b>	Solar Panels and Mounting Techniques	<ul style="list-style-type: none"> <li>• Review of solar panels and their efficiency</li> <li>• Steps in mounting solar panels</li> <li>• Mounting angles and direction</li> <li>• Care and maintenance of solar panels</li> </ul>
<b>9</b>	Electrical Wiring in Solar Systems	<ul style="list-style-type: none"> <li>• Types of electrical wiring</li> <li>• Wiring tools and materials</li> <li>• Cable sizing and color codes</li> <li>• Practical: wiring a small solar-powered circuit</li> </ul>
<b>10</b>	Entrepreneurship in Solar PV	<ul style="list-style-type: none"> <li>• Business opportunities in solar PV</li> <li>• Customer service and professionalism</li> <li>• Solar PV market trends</li> <li>• Simple marketing plan for solar business</li> </ul>
<b>11</b>	<b>REVISION</b>	<ul style="list-style-type: none"> <li>• <b>Comprehensive review of all topics covered</b></li> </ul>
<b>12</b>	<b>EXAMINATION</b>	<ul style="list-style-type: none"> <li>• <b>End of Term Assessment (Theory and Practical)</b></li> </ul>
<b>13</b>	<b>CLOSING</b>	<ul style="list-style-type: none"> <li>• <b>Term evaluation and holiday</b></li> </ul>

## JSS 2 SOLAR PHOTOVOLTAIC (PV) INSTALLATION AND MAINTENANCE

### SECOND TERM

Week	Topic	Breakdown (Subtopics)
1	Review of First Term Work	<ul style="list-style-type: none"><li>Recap of solar PV components and configurations</li><li>Review of electrical wiring concepts</li><li>Discussion of charge controller and battery connections</li><li>Assessment of students' understanding through class discussions</li></ul>
2	Solar Batteries	<ul style="list-style-type: none"><li>Meaning and importance of solar batteries</li><li>Types of batteries: Lead-acid, lithium-ion, gel batteries</li><li>Functions and characteristics of each type</li><li>Battery charging and discharging cycles</li><li>Practical: Identifying and testing batteries</li></ul>
3	Inverters and Converters	<ul style="list-style-type: none"><li>Meaning and functions of inverters and converters</li><li>Types of inverters: pure sine wave, modified sine wave</li><li>Importance of voltage conversion (DC to AC)</li><li>Practical: Connecting an inverter to a solar battery</li></ul>
4	Load Estimation and Energy Demand	<ul style="list-style-type: none"><li>Meaning of electrical load</li><li>Steps in calculating total load requirement</li><li>Daily energy consumption estimation</li><li>Importance of proper load management</li><li>Practical: Calculating the load of classroom equipment</li></ul>
5	<b>MID-TERM EXAMINATION</b>	<ul style="list-style-type: none"><li><b>Assessment of Weeks 1–4 Topics</b></li></ul>
6	System Sizing and Design	<ul style="list-style-type: none"><li>Meaning of system sizing</li><li>Factors to consider in sizing (load, autonomy, location)</li><li>Panel, battery, and inverter sizing</li></ul>

		<ul style="list-style-type: none"> <li>• Design of a small off-grid solar system</li> <li>• Practical: Solar system design demonstration</li> </ul>
<b>7</b>	<b>MID-TERM BREAK</b>	<ul style="list-style-type: none"> <li>• <b>Rest / Practical Exercises</b></li> </ul>
<b>8</b>	Installation Procedures	<ul style="list-style-type: none"> <li>• Pre-installation site inspection</li> <li>• Steps in solar PV installation</li> <li>• Wiring connection and testing</li> <li>• Common installation errors and troubleshooting</li> <li>• Demonstration: Installing a small solar lighting system</li> </ul>
<b>9</b>	Safety Practices in Installation	<ul style="list-style-type: none"> <li>• Importance of safety in solar installation</li> <li>• Personal protective equipment (PPE)</li> <li>• Safe handling of tools and materials</li> <li>• Electrical hazard prevention</li> <li>• First aid and emergency response</li> </ul>
<b>10</b>	Solar PV Maintenance and Troubleshooting	<ul style="list-style-type: none"> <li>• Meaning of maintenance</li> <li>• Types: Preventive and corrective maintenance</li> <li>• Common solar PV faults and causes</li> <li>• Steps in troubleshooting a solar system</li> <li>• Practical: Maintenance check on a sample setup</li> </ul>
<b>11</b>	<b>REVISION</b>	<ul style="list-style-type: none"> <li>• <b>Review of all topics covered during the term</b></li> </ul>
<b>12</b>	<b>EXAMINATION</b>	<ul style="list-style-type: none"> <li>• <b>End of Term Practical and Written Assessment</b></li> </ul>
<b>13</b>	<b>CLOSING</b>	<ul style="list-style-type: none"> <li>• <b>Term evaluation and holiday</b></li> </ul>

## JSS 2 SOLAR PHOTOVOLTAIC (PV) INSTALLATION AND MAINTENANCE

### THIRD TERM

Week	Topic	Breakdown (Subtopics)
1	Review of Second Term Work	<ul style="list-style-type: none"><li>Recap of installation and maintenance concepts</li><li>Review of inverter, battery, and system sizing</li><li>Identifying solar system components</li><li>Class discussion and short quiz</li></ul>
2	Energy Storage Systems	<ul style="list-style-type: none"><li>Meaning and importance of energy storage</li><li>Types of energy storage systems: chemical, mechanical, thermal</li><li>Batteries as energy storage devices in PV systems</li><li>Factors affecting energy storage efficiency</li><li>Practical: Observing battery charge/discharge patterns</li></ul>
3	Solar System Performance Evaluation	<ul style="list-style-type: none"><li>Meaning and importance of performance evaluation</li><li>Parameters to monitor (voltage, current, efficiency)</li><li>Tools and instruments for system testing</li><li>Recording and interpreting data</li><li>Practical: Measuring voltage and current from a panel</li></ul>
4	Fault Detection in PV Systems	<ul style="list-style-type: none"><li>Common PV system faults (panel shading, loose connection, battery failure)</li><li>Troubleshooting techniques</li><li>Step-by-step guide to fault tracing</li><li>Documentation and reporting of faults</li><li>Demonstration: Identifying faults in a sample solar circuit</li></ul>
5	<b>MID-TERM EXAMINATION</b>	<ul style="list-style-type: none"><li><b>Assessment of Weeks 1–4 Topics</b></li></ul>
6	Entrepreneurship in Solar Energy	<ul style="list-style-type: none"><li>Meaning of entrepreneurship</li><li>Solar business opportunities (installation, sales, maintenance)</li><li>Customer service and communication</li></ul>

		<ul style="list-style-type: none"> <li>• Skills needed for successful solar entrepreneurship</li> <li>• Role play: Acting as a solar consultant</li> </ul>
<b>7</b>	<b>MID-TERM BREAK</b>	<ul style="list-style-type: none"> <li>• <b>Rest and informal review activities</b></li> </ul>
<b>8</b>	Career Opportunities in Renewable Energy	<ul style="list-style-type: none"> <li>• Careers in solar and renewable energy industry</li> <li>• Qualifications and skills required</li> <li>• Institutions offering solar training</li> <li>• Gender inclusivity and innovation in renewable energy</li> <li>• Class presentation: “My dream solar career”</li> </ul>
<b>9</b>	Environmental Impact of Solar Energy	<ul style="list-style-type: none"> <li>• Positive impacts: clean energy, reduced carbon footprint</li> <li>• Negative impacts: waste disposal, land use</li> <li>• Recycling of panels and batteries</li> <li>• Sustainable solar practices</li> <li>• Debate: “Solar Energy is 100% Environmentally Friendly”</li> </ul>
<b>10</b>	Final Project and Demonstration	<ul style="list-style-type: none"> <li>• Group project: Designing a mini solar system for home lighting</li> <li>• Component selection and installation steps</li> <li>• Testing and presentation of group projects</li> <li>• Peer review and instructor feedback</li> </ul>
<b>11</b>	<b>REVISION</b>	<ul style="list-style-type: none"> <li>• <b>Comprehensive review of all topics covered</b></li> </ul>
<b>12</b>	<b>EXAMINATION</b>	<ul style="list-style-type: none"> <li>• <b>End of Term Practical and Written Assessment</b></li> </ul>
<b>13</b>	<b>CLOSING</b>	<ul style="list-style-type: none"> <li>• <b>Term summary, exhibition, and vacation</b></li> </ul>

## JSS 2 FASHION DESIGN AND GARMENT MAKING SCHEME OF WORK

### FIRST TERM

Week	Topic	Content / Subtopics
1.	Review of JSS 1 Work	Revision of tools, machines, and basic stitches
2.	Advanced Sewing Techniques	Decorative stitches and seam types
3.	Fibre Blending and Fabric Finishes	Types and reasons for blending; Simple finishing processes
4.	Fabric Selection for Garments	Factors influencing choice of fabrics
5.	<b>Mid-Term Examination</b>	—
6.	Pattern Alteration	Meaning and techniques of altering patterns
7.	<b>Mid-Term Break</b>	—
8.	Simple Garment Construction	Construction of blouse or shirt
9.	Collars, Sleeves and Necklines	Types and attachment methods
10.	Fastenings	Buttons, zips, hooks, and press studs
11.	Finishing and Pressing	Edge finishing and final presentation
12.	Examination	—
13.	Closing	—

## JSS 2 FASHION DESIGN AND GARMENT MAKING SCHEME OF WORK

### SECOND TERM

Week	Topic	Content / Subtopics
1.	Freehand Cutting	Meaning, advantages and disadvantages; Techniques
2.	Pattern Layout	Methods of laying patterns on fabrics; Grain lines
3.	Garment Assembly	Joining seams, attaching parts, fitting garments
4.	Fitting and Adjustments	Correction of fitting faults
5.	<b>Mid-Term Examination</b>	—
6.	Finishing Operations	Hemming, labeling, packaging
7.	<b>Mid-Term Break</b>	—
8.	Traditional Attires	Meaning and examples (buba, wrapper, agbada, etc.)
9.	Modern Styles	Contemporary fashion designs and trends
10.	Introduction to Digital Design	Overview of CAD in fashion
11.	Fashion Illustration	Use of lines, colours, and shapes in fashion sketches
12.	Examination	—
13.	Closing	—

## JSS 2 FASHION DESIGN AND GARMENT MAKING SCHEME OF WORK

### THIRD TERM

Week	Topic	Content / Subtopics
1	Garment Production Process	From sketching to finishing; steps in garment making
2	Quality Control in Garment Making	Meaning, importance, and quality checks
3	Entrepreneurship in Garment Making	Meaning and importance of entrepreneurship
4	Pricing and Marketing of Garments	Pricing methods; promotion and sales strategies
5	<b>Mid-Term Examination</b>	—
6	Customer Service in Fashion	Customer satisfaction and business reputation
7	<b>Mid-Term Break</b>	—
8	Branding in Fashion	Logos, labels, and packaging designs
9	Fashion Exhibition	Preparing garments for exhibition
10	Project Work	Fashion show or class exhibition
11	Revision	Review of term's work
12	Examination	—
13	Closing / Vacation	—

## JSS 2 LIVESTOCK FARMING SCHEME OF WORK

### FIRST TERM

Week	Topic	Content / Subtopics
1	Review of JSS 1 Livestock Farming	Recap of poultry, rabbit, and sheep/goat production concepts
2	Poultry Management (Advanced)	Brooding management; Culling; Vaccination; Record-keeping
3	Poultry Feed Formulation	Balancing nutrients; Mixing procedures; Feed ratios and formulation steps
4	Egg and Meat Production	Egg collection, processing, and storage; Slaughtering and dressing of birds
5	<b>Mid-Term Examination</b>	—
6	Rabbit Management (Advanced)	Breeding, kindling, care of young; Weaning and growth stages
7	<b>Mid-Term Break</b>	—
8	Rabbit Feed Formulation	Local feed ingredients; Feeding management and schedules
9	Record Keeping in Livestock Production	Types and importance of records — feeding, health, and financial records
10	Sanitation and Biosecurity	Hygiene, disinfection, and disease prevention methods
11	<b>Revision</b>	Review of advanced livestock management topics
12	<b>Examination</b>	—
13	<b>Closing / Vacation</b>	—

## JSS 2 LIVESTOCK FARMING SCHEME OF WORK

### SECOND TERM

Week	Topic	Content / Subtopics
1	Sheep and Goat Production (Advanced)	Feeding methods, breeding systems, care of lambs and kids
2	Disease Prevention and Control	Vaccination schedules; Sanitation; Isolation of sick animals
3	Pasture Management	Types of pastures; Grazing systems; Establishment and maintenance of pastures
4	Livestock Housing	Improved housing materials and layout for animal comfort
5	<b>Mid-Term Examination</b>	—
6	Concept of Entrepreneurship	Meaning of entrepreneurship; Characteristics of an entrepreneur
7	<b>Mid-Term Break</b>	—
8	Importance of Entrepreneurship	Role in employment creation; Opportunities in livestock farming
9	Concept of Money	Definition and functions of money; Forms of money in agribusiness
10	Practical: Budgeting in Livestock Farming	Simple record-keeping and cost management exercises
11	<b>Revision</b>	Review of the term's work
12	<b>Examination</b>	—
13	<b>Closing / Vacation</b>	—

## JSS 2 LIVESTOCK FARMING SCHEME OF WORK

### THIRD TERM

Week	Topic	Content / Subtopics
1	Business Start-up in Livestock Farming	Steps in starting a small poultry, rabbit, or goat business
2	Factors to Consider Before Starting	Capital, location, breed selection, and feeding requirements
3	Business Records	Daily and monthly records — expenditure, income, and profit tracking
4	Marketing of Livestock Products	Meaning and importance of marketing livestock products
5	<b>Mid-Term Examination</b>	—
6	Marketing Channels	From producer to consumer; Role of middlemen and wholesalers
7	<b>Mid-Term Break</b>	—
8	Packaging and Processing	Methods of packaging eggs, meat, hides, and fur for sale
9	Marketing Poultry, Rabbit, Sheep, and Goat Products	Sales, branding, and advertising techniques
10	Project Work	Practical farm visit or market survey
11	<b>Revision</b>	Review of the term's topics and key concepts
12	<b>Examination</b>	—
13	<b>Closing / Vacation</b>	—

## JSS 2 BEAUTY AND COSMETOLOGY SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Review of JSS 1 Work	Hygiene, tools, and safety in beauty care.
2	Hair Structure	Layers of the hair and their importance.
3	Hair Treatment	Natural and chemical treatments.
4	Hair Styling Techniques	Tools and methods of simple styling.
5	<b>Midterm Examination</b>	
6	Types of Hair and Their Care	Straight, curly, and kinky hair maintenance.
7	<b>Midterm Break</b>	
8	Skin Types	Oily, dry, normal, and combination skin.
9	Facial Treatment Procedures	Cleansing, exfoliation, and massage.
10	Introduction to Makeup Products	Foundation, concealer, and powder.
11	Safety in Makeup Application	Hygiene in handling products and brushes.
12	<b>Revision</b>	
13	<b>Examination / Closing</b>	

## JSS 2 BEAUTY AND COSMETOLOGY SCHEME OF WORK

### SECOND TERM

Week	Topic	Content
1	Review of First Term	Discussion on hair and facial care.
2	Hair Coloring	Meaning, tools, and safety measures.
3	Hair Relaxing	Steps and safety precautions.
4	Hair Plaiting and Weaving	Patterns and neatness in plaiting.
5	<b>Midterm Examination</b>	
6	Skin Disorders	Acne, eczema, rashes, and prevention.
7	<b>Midterm Break</b>	
8	Skin Treatment Products	Cleansers, toners, moisturizers.
9	Makeup Application	Steps and tools for simple facial makeup.
10	Nail Art	Decoration and polish application.
11	Simple Beauty Business Ideas	Home-based beauty business opportunities.
12	<b>Revision</b>	
13	<b>Examination / Closing</b>	

## JSS 2 BEAUTY AND COSMETOLOGY SCHEME OF WORK

### THIRD TERM

Week	Topic	Content
1	Review of Second Term	Hair care and beauty practices recap.
2	Salon Management	Organization, cleanliness, and tools arrangement.
3	Record Keeping	Customer details, expenses, and sales record.
4	Customer Service	Building good customer relationships.
5	<b>Midterm Examination</b>	
6	Product Knowledge	Identifying safe and harmful ingredients.
7	<b>Midterm Break</b>	
8	Professional Ethics	Punctuality, honesty, and confidentiality.
9	Introduction to Entrepreneurship	Concept and importance of self-employment.
10	Beauty Product Packaging	Labeling and presentation ideas.
11	Branding and Marketing	Promoting a beauty brand.
12	<b>Revision</b>	
13	<b>Examination / Closing</b>	

## JSS 2 COMPUTER HARDWARE AND GSM REPAIRS

### FIRST TERM

Week	Topic	Breakdown / Subtopics
1	Review of JSS 1 Work	Recap of phone parts, safety, and tools
2	Introduction to Mobile Circuits	Meaning of circuit; Simple phone circuit components and symbols
3	Power Section of a Mobile Phone	Charging system, battery, and power IC functions
4	Display and Network Sections	Screen components; Antenna, network IC, SIM section; Troubleshooting display and network faults
5	<b>Mid-Term Examination</b>	—
6	Sound and Charging Sections	Microphone, speaker, ringer, charging port; Common faults and repairs
7	<b>Mid-Term Break</b>	—
8	Software Updates and Flashing	Meaning of flashing; Importance of updating OS; Tools and apps for flashing
9	Fault Diagnosis and Testing	Use of multimeter; Continuity test; Battery voltage test
10	Practical: Fault Detection and Repair	Step-by-step testing and replacement of faulty parts
11	<b>Revision</b>	—
12	<b>Examination</b>	—
13	<b>Closing / Vacation</b>	—

## JSS 2 COMPUTER HARDWARE AND GSM REPAIRS

### SECOND TERM

Week	Topic	Breakdown / Subtopics
1	Introduction to Entrepreneurship Mindset	Meaning and importance; Thinking like an entrepreneur
2	Concept of Entrepreneurship	Identifying opportunities in GSM repair; Risk-taking and innovation
3	Concept of Money	Use of money in business transactions; Savings and reinvestment
4	Bookkeeping in GSM Repairs	Business records — daily sales, repairs log, expenses; Balance sheet basics
5	<b>Mid-Term Examination</b>	—
6	Business Startup in GSM Repairs	Writing a simple business plan; Budgeting and equipment listing
7	<b>Mid-Term Break</b>	—
8	Customer Relations	Handling customers professionally; Honesty and reliability in service delivery
9	Rights and Duties of Citizens in Business	Consumer rights and seller responsibilities; Ethical practices in mobile repair
10	Practical: Business Simulation	Role-play of shop management and customer service
11	<b>Revision</b>	—
12	<b>Examination</b>	—
13	<b>Closing / Vacation</b>	—

## JSS 2 COMPUTER HARDWARE AND GSM REPAIRS

### THIRD TERM

Week	Topic	Breakdown / Subtopics
1	Introduction to Software Tools	Common repair tools (Miracle Box, SP Flash Tool, etc.); Installation and usage
2	Phone Unlocking and Password Reset	Security locks, factory reset, bypassing screen locks
3	Virus and Malware Removal	Meaning, types, and removal of malware from devices
4	Data Recovery	Causes of data loss; Tools and steps in data recovery
5	<b>Mid-Term Examination</b>	—
6	Phone Testing and Quality Control	Testing repaired phones before delivery; Ensuring quality
7	<b>Mid-Term Break</b>	—
8	Record Keeping and Reporting	Writing job completion reports; Daily repair log
9	Practical: Full Repair Cycle	Receiving a faulty phone, diagnosing, repairing, and documenting the process
10	<b>Revision</b>	—
11	<b>Examination</b>	—
12	<b>Closing / Vacation</b>	—

## JSS 2 HORTICULTURE AND CROP PRODUCTION SCHEME OF WORK

### FIRST TERM

Week	Topic	Breakdown (Subtopics)
1	Review of JSS1 Work	<ul style="list-style-type: none"><li>Recap of farmland preparation and nursery practices</li><li>Discussion on importance of soil and crop selection</li></ul>
2	Farm Tools and Machines	<ul style="list-style-type: none"><li>Types and examples of farm machinery</li><li>Functions of simple and complex machines</li><li>Safety and maintenance practices</li></ul>
3	Soil Fertility and Improvement	<ul style="list-style-type: none"><li>Meaning of soil fertility</li><li>Causes of loss of fertility</li><li>Methods of improving soil fertility (organic/inorganic)</li><li>Compost making</li></ul>
4	Land Preparation Techniques	<ul style="list-style-type: none"><li>Clearing, tilling, and leveling</li><li>Irrigation and drainage systems</li><li>Crop rotation practices</li></ul>
5	<b>MID-TERM TEST</b>	<ul style="list-style-type: none"><li><b>Assessment of Weeks 1–4</b></li></ul>
6	Site Selection for Crop Production	<ul style="list-style-type: none"><li>Factors affecting crop site selection</li><li>Land use and suitability</li><li>Environmental and economic factors</li></ul>
7	<b>MID-TERM BREAK</b>	<ul style="list-style-type: none"><li><b>Holiday/Rest</b></li></ul>
8	Crop Spacing and Planting Methods	<ul style="list-style-type: none"><li>Meaning and importance of crop spacing</li><li>Methods of planting (direct, transplanting)</li><li>Plant population and density</li></ul>
9	Weed Management	<ul style="list-style-type: none"><li>Meaning and types of weeds</li><li>Effects of weeds</li><li>Methods of weed control (manual, chemical, biological)</li></ul>
10	Crop Protection	<ul style="list-style-type: none"><li>Pests and diseases of crops</li></ul>

		<ul style="list-style-type: none"><li>• Control measures</li><li>• Integrated pest management</li></ul>
11	<b>REVISION</b>	<ul style="list-style-type: none"><li>• Review of all topics</li></ul>
12	<b>EXAMINATION</b>	<ul style="list-style-type: none"><li>• End of Term Assessment</li></ul>
13	<b>CLOSING/VACATION</b>	<ul style="list-style-type: none"><li>• Term ends</li></ul>

## JSS 2 HORTICULTURE AND CROP PRODUCTION SCHEME OF WORK

### SECOND TERM

Week	Topic	Breakdown (Subtopics)
1	Nursery Practices	<ul style="list-style-type: none"><li>• Preparation of nursery materials</li><li>• Seed sowing and care</li><li>• Transplanting techniques</li></ul>
2	Seed Germination	<ul style="list-style-type: none"><li>• Meaning and process</li><li>• Conditions necessary for germination</li><li>• Experiment on germination</li></ul>
3	Fertilizer Application Methods	<ul style="list-style-type: none"><li>• Organic and inorganic fertilizers</li><li>• Application methods and timing</li><li>• Safety precautions</li></ul>
4	Vegetative Propagation	<ul style="list-style-type: none"><li>• Meaning and importance</li><li>• Methods of propagation: grafting, layering, cutting</li><li>• Crops that use each method</li></ul>
5	<b>MID-TERM TEST</b>	<ul style="list-style-type: none"><li>• <b>Assessment of Weeks 1–4</b></li></ul>
6	Maintenance of Horticultural Crops	<ul style="list-style-type: none"><li>• Pruning, staking, watering, and mulching</li><li>• Pest and disease control</li></ul>
7	<b>MID-TERM BREAK</b>	<ul style="list-style-type: none"><li>• <b>Holiday/Rest</b></li></ul>
8	Harvesting and Storage	<ul style="list-style-type: none"><li>• Techniques of harvesting</li><li>• Post-harvest handling and preservation</li></ul>
9	Marketing of Horticultural Crops	<ul style="list-style-type: none"><li>• Meaning and importance of marketing</li><li>• Channels of distribution</li><li>• Marketing problems and solutions</li></ul>
10	Farm Record-Keeping	<ul style="list-style-type: none"><li>• Types and importance of records</li><li>• Cashbook, sales record, stock record</li></ul>
11	<b>REVISION</b>	<ul style="list-style-type: none"><li>• Review of all topics</li></ul>

12	<b>EXAMINATION</b>	<ul style="list-style-type: none"><li>• End of Term Assessment</li></ul>
13	<b>CLOSING/VACATION</b>	<ul style="list-style-type: none"><li>• Term ends</li></ul>

## JSS 2 HORTICULTURE AND CROP PRODUCTION SCHEME OF WORK

### THIRD TERM

Week	Topic	Breakdown (Subtopics)
1	Vegetable Production	<ul style="list-style-type: none"><li>• Importance and types of vegetables</li><li>• Conditions for growth</li><li>• Production stages</li></ul>
2	Post-Harvest Management	<ul style="list-style-type: none"><li>• Sorting, grading, and packaging</li><li>• Storage methods</li></ul>
3	Introduction to Agribusiness	<ul style="list-style-type: none"><li>• Meaning of agribusiness</li><li>• Career opportunities</li></ul>
4	Entrepreneurship in Agriculture	<ul style="list-style-type: none"><li>• Meaning and qualities of an entrepreneur</li><li>• Importance of entrepreneurship</li></ul>
5	<b>MID-TERM TEST</b>	<ul style="list-style-type: none"><li>• <b>Assessment of Weeks 1–4</b></li></ul>
6	Enterprise Development	<ul style="list-style-type: none"><li>• Small agribusiness setup</li><li>• Record-keeping</li></ul>
7	<b>MID-TERM BREAK</b>	<ul style="list-style-type: none"><li>• <b>Holiday/Rest</b></li></ul>
8	Financial Management	<ul style="list-style-type: none"><li>• Basic money management</li><li>• Budgeting and planning</li></ul>
9	Marketing and Promotion	<ul style="list-style-type: none"><li>• Marketing strategies</li><li>• Customer relations</li></ul>
10	Business Simulation	<ul style="list-style-type: none"><li>• Group projects and business idea development</li></ul>
11	<b>REVISION</b>	<ul style="list-style-type: none"><li>• Review of term's topics</li></ul>
12	<b>EXAMINATION</b>	<ul style="list-style-type: none"><li>• End of Term Assessment</li></ul>
13	<b>CLOSING/VACATION</b>	<ul style="list-style-type: none"><li>• Term ends</li></ul>

## **JUNIOR SECONDARY THREE SCHEME OF WORK (NEW NERDC SCHEME)**

1. English Studies
2. Mathematics
3. Physical and Health Education
4. Christian Religious Studies
5. Islamic Studies
6. Nigerian History
7. Social and Citizenship Studies
8. Cultural and Creative Arts (CCA)
9. French
10. Intermediate Science
11. Digital Technologies
12. Business Studies
13. Trade Subjects

**JSS3 ENGLISH STUDIES SCHEME OF WORK  
FIRST TERM**

<b>Week</b>	<b>Speech Work</b>	<b>Grammar</b>	<b>Reading &amp; Comprehension</b>	<b>Composition</b>	<b>Literature in English</b>
1	– Revision of speech from last term	Revision of Parts of Speech	Scanning for main points	Informal Letter – <i>Letter to my best friend on my plan for the academic session</i>	Introduction to Fiction & Non-Fiction; Examples of Non-Fiction
2	The Schwa /ə/ sound ( <i>about, doctor, above</i> )	Expressing/Describing emotions (Verb + Preposition)	Skimming for specific information	Writing to a Pen-pal	Poetry Analysis
3	Stress and Intonation (continued)	Adverbs of Frequency ( <i>often, always, occasionally</i> )	Reading to cultivate referencing skills	Story Writing – <i>All that glitters is not gold</i>	Prose – Study of the recommended text
4	Consonants /ʒ/ and /dʒ/ ( <i>leisure/ledger, garage/large</i> )	Changing positive statements to negative (using <i>not</i> )	Practice scanning, skimming, and normal rate reading	Expository Essay – <i>How to care for a motor vehicle</i>	Prose – Characterization, Theme, Plot
5	Midterm Examination	Midterm Examination	Midterm Examination	Midterm Examination	Midterm Examination
6	Contrast between /ɜ:/ and /ɔ:/	Adjectives & Adverbs expressing willingness/unwillingness (with modals + adverbials)	Reading to make deductions from selected passage	Guided Writing	Drama – Recommended text; Rhyme Schemes; Characterization, Diction, Setting, Plot
7	Midterm Break	Midterm Break	Midterm Break	Midterm Break	Midterm Break

8	Consonants /s/, /ʃ/, and /tʃ/ ( <i>ceiling, short, machine, cheque</i> )	Adverbs of Place and Manner	Reading comprehension practice (Refer to Week 5 techniques)	Debate – <i>Corruption is worse than Armed Robbery</i>	Drama – Costumes and Props; More on Rhyme Schemes
9	Consonants /ʃ/ and /t/ ( <i>sheep/chip, fish/pitch</i> )	Idiomatic Expressions	Reading comprehension practice (Refer to Week 6 techniques)	Descriptive Essay – <i>My Favourite Subject</i>	Prose – Questions on recommended text
10	Consonants /w/ and /j/	Adverbs of Cause/Reason ( <i>so that, in order to...</i> )	Identifying topic sentences in passages	Debate – <i>Child Trafficking is worse than Stealing</i>	Review of Prose and Drama texts
11	–	Revision – Parts of Speech, Tenses, Adverbs, etc.	General Reading Comprehension Revision	Revision of Essay Writing Types	General Literature Revision (Prose, Drama, Poetry)
12	–	–	End of Term Examination	End of Term Examination	End of Term Examination
13	–	–	–	Closing	Closing

**JSS3 ENGLISH STUDIES SCHEME OF WORK  
SECOND TERM**

<b>Week</b>	<b>Speech Work</b>	<b>Grammar</b>	<b>Reading &amp; Listening Comprehension</b>	<b>Composition</b>	<b>Literature in English</b>
1	Consonants /t/ and /θ/ ( <i>tin/thin, tick/thick</i> )	– Revision of Parts of Speech	Reading for Critical Evaluation	Informal Letter – <i>More on Writing to a Pen-pal</i>	Review of Features of Folktales; Discussion of Selected Folktales
2	Consonant contrast /t/ and /s/ ( <i>tailor/sailor, pit/pass</i> )	Prepositions expressing relations with people ( <i>with, for, against</i> )	Listening for implied meanings	Guided Writing	–
3	Contrast consonants /ʃ/ and /ʒ/ ( <i>mission/pleasure, vision/measure</i> )	The Simple Sentence	Listening to get main gist/points in a paragraph	Story Writing – <i>The School Prize-Giving Day; At the Bus Stop</i>	Poetry – Write a short poem ( <i>The Lonely Child</i> ); Short story ( <i>How the Tortoise got the Pattern on His Shell</i> )
4	–	–	–	–	–
5	Midterm Examination	Midterm Examination	Midterm Examination	Midterm Examination	Midterm Examination
6	Contrast vowels /ʌ/ and /ɑ:/ ( <i>much/march, pun/park</i> )	The Compound Sentence	Listening to questions in order to answer them	Informal Letter – <i>To a friend about your best subject</i>	Prose – Use of recommended text; Identification of Prose Features
7	Midterm Break	Midterm Break	Midterm Break	Midterm Break	Midterm Break

8	Nasal sounds /m/, /n/, /ŋ/ ( <i>mentor, knotty, fling</i> )	Punctuation Marks – Uses of Capital Letters	Listening to interpret ideas in a passage	Informal Letter – <i>To your grandfather/mother about visiting during the holidays</i>	Drama – Theme, Setting, Characterization in recommended drama text
9	Vowels /æ/ and /ɜ:/ ( <i>bath/birth, arm/earn, farm/firm</i> )	Reflexive and Relative Pronouns	Reading comprehension practice (Refer to Week 5, 1st Term)	Article Writing – <i>The Evils of Youth Unemployment</i>	Drama – Use of recommended text; Write a short playlet
10	Vowels /ɔ:/ and /ɒ/ ( <i>brought/hot, fought/cot, malt/pot</i> )	Personal Pronouns – Rules of Usage	Reading comprehension practice (Refer to Week 2, 2nd Term)	Expository Essay – <i>Drug Addiction</i>	Poetry – Language in Poetry; Construct sentences with Irony and Hyperbole
11	Vowels /u/ and /ʊ:/ ( <i>pull/pool, bush/sue, sugar/food</i> )	Demonstrative Pronouns	Reading to summarize paragraphs	Argumentative Essay – <i>Teachers are Better than Farmers in Society</i>	Summarizing the Prose Text
12	Schwa /ə/ ( <i>about, pastor, again, above</i> )	Differentiating Demonstrative Pronouns and Adjectives	Reading comprehension practice (Refer to Week 1, 2nd Term)	Expository Writing – <i>Population Explosion</i>	Drama – Revision of text with relevant questions
13	–	–	–	Closing	Closing

**JSS3 ENGLISH STUDIES SCHEME OF WORK**

**THIRD TERM**

<b>Week</b>	<b>Speech Work</b>	<b>Grammar (English Structure)</b>	<b>Comprehension / Vocabulary Development</b>	<b>Composition</b>	<b>Literature in English</b>
1	Revision of last term's exam	–	–	–	–
2	Review of Monotones	Review of Nouns and Pronouns	Look at some past comprehension questions	Review of Narrative/Descriptive Essays	Review of Major/Minor Characters, Theme, Plot, Tragic/Comic Elements, and Diction
3	Review of Diphthongs	Review of Verbs and Adverbs	Use past questions	Review of Argumentative/Expository Essay	Review of Literary Terms in Poetry (Metaphor, Simile, Alliteration, Irony, etc.)
4	Review of Consonant Sounds	Review of Adjectives, Conjunctions, Prepositions, and Interjections	Use past questions	Revisit Informal and Formal Letters with features	Use past questions
5–10	General Revision	General Revision	General Revision	General Revision	General Revision
11	Examination	Examination	Examination	Examination	Examination

## JSS3 MATHEMATICS SCHEME OF WORK

### FIRST TERM

Week	Topic	Breakdown
1	Whole Numbers I	- Binary Number System - Using computer to do simple mathematical calculations - Translation of word problems into numerical expressions
2	Whole Numbers II	- Expressions involving brackets and fractions - Direct and Inverse Proportion - Applications of Direct and Inverse Proportion - Compound Interest
3	Addition and Subtraction of Numbers in Base 2	- Addition of two or three 3-digit binary numbers - Subtraction of two or three 3-digit binary numbers
4	Multiplication and Division of Numbers in Base 2	- Multiplication of two 2-digit binary numbers - Division of two or three-digit binary numbers
5	<b>Mid-Term Examination</b>	Testing first half of term's work
6	Rational and Non-Rational Numbers	- Identifying rational and non-rational numbers
7	<b>Mid-Term Break</b>	—
8	Variations	- Solving variation problems on Direct, Indirect, Joint, and Partial
9	Factorization	- Factorization of expressions of the form: (i) $ax + ay$ (ii) $3m + pq + 3p + mp$ (iii) $a^2 - b^2$ (iv) $a^2 - 2ab - b^2$ - Word problems involving factorization
10	Simple Equations Involving Fractions	- Solving simple equations involving fractions - Word problems leading to simple equations involving fractions
11	Change of Subject of Formulae	- Involving addition, multiplication, and roots
12	Examination	End-of-term examination
13	Closing	

**JSS3 MATHEMATICS SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Breakdown</b>
1	Simultaneous Linear Equations (I) – In One or Two Variables	I. Elimination Method II. Subtraction Method III. Graphical Method IV. Compilation of Table of Values
2	Simultaneous Linear Equations (II)	I. More Exercises on Simultaneous Linear Equations using Graphical Method II. Application of Simultaneous Linear Equation to Life Situation using Problem Solving
3	Geometry I – Similar Shapes	I. Similar Shapes – Identification of Plane Shapes II. Enlargements and Scale Factor – Enlarge Figures using Scale Factors
4	Geometry II	I. Calculate Lengths, Areas and Volume of Similar Figures II. Solve Problems on Quantitative Reasoning involving Similar Shapes.
5	Midterm Examination	—
6	Area Of Plane Figures I	I. Area of triangles II. Area of parallelogram III. Area of trapezium IV. Area of circles
7	Midterm Break	—
8	Area of Plane Figures II	I. Area of Sectors II. Word Problems Involving Areas of Plane Figures III. Quantitative Aptitude Problems on Areas of Plane Figures
9	Trigonometry	I. The Sine, Cosine and Tangent of an Acute Angle II. Applications of Trigonometric Ratios to Solve Problems on Angles and Sides of a Right-Angled Triangle
10	Angles of Elevation and Depression / Study of Measurement Using Clinometers	Apply trigonometric ratios to find angle of elevation and depression Use clinometers to demonstrate and estimate or calculate distances
11	Revision	—
12	Examination	—
13	Vacation	

## JSS3 MATHEMATICS SCHEME OF WORK

### THIRD TERM

Week	Topic	Breakdown
1	Construction	I. Construction of Angle 45 Degree II. Construction of Angle 30 Degree III. Copying given Angles IV. Construction of Simple Plane Shapes
2	Measures of Central Tendency	I.Revision of previous work on mean, median and mode II. Calculate the Median of any given Data III. Calculate the Mode of any given Data IV. Calculate the Mean of any given Data V. Calculate the Range of any given Data
3	Application of Measures of Central Tendency To Analyze any Given Information	—
4	Data Presentation – Pie Charts	—
5		
6	Revision of JSS 3 Work	—
7–8	Mock Examination	—
9	JSSC Examination	—

### JSS 3 PHYSICAL AND HEALTH EDUCATION

#### FIRST TERM

Week	Topic	Content
1	<b>Physical Fitness &amp; Body Conditioning</b>	- Benefits Derived from Physical Fitness.- Factors that Influence Physical Fitness.
2	<b>Recreation, Leisure and Dance Activities (Part 1)</b>	- Pre-Colonial/Folk Traditional Dances.- Social Dances.
3	<b>Recreation, Leisure and Dance Activities (Part 2)</b>	- Foreign & Modern Dances.- Computer Games.- Values of Computer Games.
4	<b>Track and Field Events</b>	- Pole Vault.- Javelin.
5	<b>Midterm Examination</b>	—
6	<b>Ball Games (Hockey) – Part 1</b>	- Nature of the Game.- Basic Skills and Techniques in Hockey.- Rules & Safety Regulations.
7	<b>Midterm Break</b>	—
8	<b>Ball Games (Hockey) – Part 2</b>	- Key Officials and Duties.- Facilities and Equipment.- Positions of Players.- Values/Importance of Hockey.
9	<b>Group/Combined Events – Part 1</b>	- Classification of Combined Events.- List of Various Events.- Duration of Events.
10	<b>Group/Combined Events – Part 2</b>	- Scoring System.- Facilities & Equipment.- Rules & Regulations.- Officials.- Safety Rules.
11	<b>Revision</b>	First Term Topics.
12	<b>Examination</b>	—
13	<b>Closing</b>	—

**JSS 3 PHYSICAL AND HEALTH EDUCATION**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	<b>Nigerian Sports Heroes – Part 1</b>	- Career Guidance in Physical Education.- Past & Present Sports Heroes and their Contributions.
2	<b>Nigerian Sports Heroes – Part 2</b>	- Professionals in Physical Education in Nigeria.
3	<b>Contact Games – Taekwondo</b>	- Nature & History of Taekwondo.- Basic Skills & Techniques.- Importance.- Safety Rules & Regulations.
4	<b>Contact Games – Boxing</b>	- Nature & History of Boxing.- Basic Skills.- Safety Rules & Regulations.
5	<b>Midterm Examination</b>	—
6	<b>Non-contact Games – Part 1</b>	- Basic Strokes and Styles in Swimming.
7	<b>Midterm Break</b>	—
8	<b>Non-contact Games – Part 2</b>	- Gymnastics.- Classifications of Floor Activities.- Safety Rules and Regulations.
9	<b>Personal, School &amp; Community Health I – Part 1</b>	- Types of Families.- Duties of Family Members.- Puberty in Boys & Girls.
10	<b>Personal, School &amp; Community Health I – Part 2</b>	- Teenage Pregnancy & Consequences.- Assertiveness & Communication Skills.- Agencies Promoting Health Education in Nigeria.
11	<b>Revision</b>	Second Term Topics.
12	<b>Examination</b>	—
13	<b>Closing</b>	—

## JSS 3 PHYSICAL AND HEALTH EDUCATION

### THIRD TERM

Week	Topic	Content
1	<b>Personal, School &amp; Community Health II – Part 1</b>	- Ageing.- Life-enhancing Measures.- Death & Dying.
2	<b>Personal, School &amp; Community Health II – Part 2</b>	- Drug Use, Misuse & Abuse.- Categories of Drugs.- Health Consequences.
3	<b>Pathogens, Diseases &amp; Prevention – Part 1</b>	- Nature of Communicable Diseases.- Mode of Transmission.- Factors & Causative Agents.
4	<b>Pathogens, Diseases &amp; Prevention – Part 2</b>	- Prevention & Management of Non-communicable Diseases.
5	<b>Midterm Examination</b>	—
6	<b>Family Health – Part 1</b>	- Types of Diseases & Modes of Transfer.- Disease Vectors.
7	<b>Midterm Break</b>	—
8	<b>Family Health – Part 2</b>	- Sexually Transmitted Infections (STIs).- Consequences of Contracting Diseases.
9	<b>Family Health – Part 3</b>	- Prevention of Diseases.
10	<b>General Health Education Review</b>	Integrative review of Health Education concepts (Family Health, Diseases, Drugs).
11	<b>Revision</b>	Third Term Topics.
12	<b>Examination</b>	—
13	<b>Closing</b>	—

### JSS 3 CHRISTIAN RELIGIOUS STUDIES SCHEME OF WORK

#### FIRST TERM

Week	Topic	Content
1	<b>The Promise of the Holy Spirit (Part 1)</b>	John 14:16-17, 26; John 16:5-16 – Jesus promises the coming of the Holy Spirit; Acts 1:3-5 – waiting for the promise.
2	<b>The Coming of the Holy Spirit</b>	Acts 2:1-13 – The Day of Pentecost, speaking in tongues, reactions of the people.
3	<b>Peter’s First Speech and its Effects</b>	Acts 2:14-41 – Peter’s boldness, message of repentance, conversion of about 3,000 souls.
4	<b>Fellowship in the Early Church (Part 1)</b>	Acts 2:41-47 – Unity, sharing, prayers, breaking of bread.
5	<b>Midterm Examination</b>	—
6	<b>Fellowship in the Early Church (Part 2)</b>	Acts 5:1-11 – Fraud in the church (Ananias and Sapphira). Acts 6:1-2 – Murmuring and complaints.
7	<b>Midterm Break</b>	—
8	<b>Selection of Deacons</b>	Acts 6:1-7 – Appointment of Stephen and six others; responsibilities of deacons.
9	<b>Persecution of Early Believers (Part 1)</b>	Acts 3:1-11, 4:1-22 – Arrest of Peter and John; Acts 6:8-15, 7:1-60 – Arrest and martyrdom of Stephen.
10	<b>Persecution of Early Believers (Part 2)</b>	Acts 8:1-3; 9:1-2 – Saul’s persecution; Acts 12:1-4 – Martyrdom of James.
11	<b>Revision</b>	All topics from Weeks 1–10.
12	<b>Examination</b>	—
13	<b>Closing</b>	—

**JSS 3 CHRISTIAN RELIGIOUS STUDIES SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	<b>The Ministry of Peter (Part 1)</b>	Acts 8:4-25 – Peter and Simon the Magician.
2	<b>The Ministry of Peter (Part 2)</b>	Acts 9:32-42 – Healing miracles of Peter (Aeneas and Dorcas).
3	<b>The Ministry of Peter (Part 3)</b>	Acts 10:1-48 – Conversion of Cornelius. Acts 11:1-18 – Peter defends his action in Cornelius’ house.
4	<b>The Ministry of Peter (Part 4)</b>	Acts 12:5-24 – Peter’s release from prison and the death of Herod.
5	<b>Midterm Examination</b>	—
6	<b>The Ministry of Apostle Paul (Part 1)</b>	Acts 22:1-5, 26-30 – Paul’s nativity and education; Acts 7:57-58; 8:1-3; 9:1-3 – Paul’s persecution of the Church.
7	<b>Midterm Break</b>	—
8	<b>The Ministry of Apostle Paul (Part 2)</b>	Acts 9:1-19; 22:6-21 – The conversion of Paul; Acts 13–14 – Paul’s first missionary journey.
9	<b>The Ministry of Apostle Paul (Part 3)</b>	Acts 15:1-35 – The Council at Jerusalem; Wrong and right ways of resolving conflicts.
10	<b>Christian Unity and Living Among Non-Christians</b>	Christian organisations in Nigeria; interdenominational cooperation; Christian giving (Phil. 4:14-20; 2 Cor. 8:3-5; 9:6-15); teachings that foster unity; Christians living in the community; Christian attitude to persecution.
11	<b>Revision</b>	All topics from Weeks 1–10.
12	<b>Examination</b>	—
13	<b>Closing</b>	—

**JSS3 ISLAMIC RELIGIOUS STUDIES (IRS) SCHEME OF WORK**

**FIRST TERM**

<b>Week</b>	<b>Topic</b>	<b>Breakdown (Subtopics)</b>
1	Review of JSS2 Surahs	<ul style="list-style-type: none"> <li>• <i>A'la, Ghashiyah, Fajr</i> — revision and recitation</li> </ul>
2	Qur'anic Recitation: <i>Suratul Balad</i> (Q90:1–20)	<ul style="list-style-type: none"> <li>• Recitation and translation</li> <li>• Lessons on moral courage</li> </ul>
3	Qur'anic Recitation: <i>Suratul Shams</i> (Q91:1–15)	<ul style="list-style-type: none"> <li>• Explanation of meaning</li> <li>• Lessons on purity and righteousness</li> </ul>
4	Qur'anic Recitation: <i>Suratul Layl</i> (Q92:1–21)	<ul style="list-style-type: none"> <li>• Memorization and understanding</li> <li>• Rewards of good deeds</li> </ul>
5	<b>MID-TERM EXAMINATION</b>	<b>Assessment on Surahs and Tajwid</b>
6	Rules of Ghunnah (Nasal Sound)	<ul style="list-style-type: none"> <li>• Explanation, letters, and application</li> <li>• Practical recitation exercises</li> </ul>
7	<b>MID-TERM BREAK</b>	<b>Holiday/Rest</b>
8	Rules of Waqf (Stopping Signs)	<ul style="list-style-type: none"> <li>• Understanding symbols and pauses in recitation</li> </ul>
9	Practical Tajwid Exercises	<ul style="list-style-type: none"> <li>• Group recitation and corrections</li> </ul>
10	Importance of the Qur'an in Muslim Life	<ul style="list-style-type: none"> <li>• Guidance, healing, and reflection</li> </ul>
11	<b>REVISION</b>	Comprehensive review of Tajwid and Surahs
12	<b>EXAMINATION</b>	End of Term Assessment
13	<b>CLOSING/VACATION</b>	Term ends

**JSS3 ISLAMIC RELIGIOUS STUDIES (IRS) SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Breakdown (Subtopics)</b>
1	Review of Previous Hadith	• Summary of JSS2 lessons
2	Selected Hadith on Leadership	• Qualities of good leadership • Prophet Muhammad (SAW) as a model leader
3	Hadith on Justice and Accountability	• Importance of fairness and honesty in leadership
4	Hadith on Seeking Knowledge	• Virtue of learning and teaching
5	<b>MID-TERM EXAMINATION</b>	<b>Assessment on Hadith Studies</b>
6	Tahdhib: Respect for Human Life and Property	• Sanctity of life and property • Avoiding violence and theft
7	<b>MID-TERM BREAK</b>	<b>Holiday/Rest</b>
8	Tahdhib: Discipline and Responsibility	• Islamic teachings on self-control and accountability
9	Tahdhib: Purity of Intention	• Doing good deeds sincerely for Allah’s sake
10	Tahdhib: Role of Muslims in Society	• Promoting peace, honesty, and compassion
11	<b>REVISION</b>	Comprehensive review of Hadith and Tahdhib
12	<b>EXAMINATION</b>	End of Term Assessment
13	<b>CLOSING/VACATION</b>	Term ends

### JSS3 ISLAMIC RELIGIOUS STUDIES (IRS) SCHEME OF WORK

#### THIRD TERM

Week	Topic	Breakdown (Subtopics)
1	Review of Fiqh and Iman (JSS2)	<ul style="list-style-type: none"><li>• Recap of Arkan al-Islam and Arkan al-Iman</li></ul>
2	Funeral Rites in Islam	<ul style="list-style-type: none"><li>• Washing, shrouding, prayer, and burial</li></ul>
3	Marriage in Islam	<ul style="list-style-type: none"><li>• Conditions, types, and importance</li><li>• Rights and responsibilities of spouses</li></ul>
4	Inheritance (Mirath)	<ul style="list-style-type: none"><li>• Basic principles of inheritance</li><li>• Rights of heirs</li></ul>
5	<b>MID-TERM EXAMINATION</b>	<b>Assessment on Islamic Laws and Practices</b>
6	Faith in Allah and His Attributes	<ul style="list-style-type: none"><li>• Names and attributes of Allah</li><li>• Importance of Tawhid</li></ul>
7	<b>MID-TERM BREAK</b>	<b>Holiday/Rest</b>
8	Belief in the Holy Books	<ul style="list-style-type: none"><li>• The Qur'an and previous revelations</li><li>• Role of revelation in human life</li></ul>
9	Belief in the Hereafter	<ul style="list-style-type: none"><li>• Accountability, Paradise, and Hellfire</li></ul>
10	Living a Life of Faith	<ul style="list-style-type: none"><li>• Applying Iman through daily actions</li></ul>
11	<b>REVISION</b>	Comprehensive review of Fiqh and Iman
12	<b>EXAMINATION</b>	End of Term Assessment
13	<b>CLOSING/VACATION</b>	Term ends

## JSS 3 NIGERIAN HISTORY SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Nigeria in the 21st Century	Political, economic, social developments
2	Leadership in Contemporary Nigeria	Past presidents and their impacts
3	Federalism in Nigeria	Meaning; Challenges of Nigerian federalism
4	Constitution of Nigeria	1999 Constitution and amendments
5	Midterm Test	–
6	Elections and Electoral Bodies	INEC; Electoral reforms
7	Midterm Break	–
8	National Security Issues	Insurgency, banditry, militancy
9	Anti-Corruption Struggles	EFCC, ICPC, whistleblowing policy
10	Role of Nigeria in Africa	Peacekeeping missions; Diplomacy
11	Revision	–
12	Examination	–
13	Closing	–

### JSS 3 NIGERIAN HISTORY SCHEME OF WORK

#### SECOND TERM

Week	Topic	Content
1	Nigeria and Globalization	ICT, trade, migration
2	Nigeria in International Organisations	UN, AU, Commonwealth
3	Nigeria and Global Peace	Peacekeeping contributions
4	Human Rights Development in Nigeria	Role of NGOs, NHRC
5	Midterm Test	–
6	Political Developments (2011–Present)	Elections, transitions, challenges
7	Midterm Break	–
8	Nigerian Youth and Politics	Role of youth in governance
9	Nigerian Women and Leadership	Contributions and challenges
10	Challenges Facing Nigeria	Poverty, unemployment, insecurity
11	Revision	–
12	Examination	–
13	Closing	–

## JSS 3 NIGERIAN HISTORY SCHEME OF WORK

### THIRD TERM

Week	Topic	Content
1	National Development Plans	Vision 2020, Economic Recovery and Growth Plan
2	Sustainable Development in Nigeria	SDGs; Nigeria's progress
3	Corruption and Accountability	Effects; Strategies for combating corruption
4	Nigerian Democracy and the Future	Prospects of governance
5	Midterm Test	–
6	Nigeria and African Unity	Nigeria's role in AU, ECOWAS
7	Midterm Break	–
8	Preparation for BECE	Revision of JSS1–3 Nigerian History
9	Mock Examination	–
10	BECE Examination	–
11	Closing	End of JSS cycle
12	–	–
13	–	–

### JSS 3 SOCIAL AND CITIZENSHIP STUDIES SCHEME OF WORK

#### FIRST TERM

Week	Topic	Content
1	Citizenship Education Recap	Revision of key concepts from JSS1–2
2	Democracy and Human Rights	Relationship between democracy and human rights
3	Nigerian Constitution (1999)	Basic provisions; Fundamental objectives
4	Separation of Powers	Checks and balances; Importance
5	Midterm Test	–
6	Political Parties	Meaning; Functions; Party system in Nigeria
7	Midterm Break	–
8	Election Processes	Voter registration; Voting methods; INEC
9	Good Governance	Meaning; Principles; Citizens' role in promoting it
10	Youth and Nation-Building	Roles of youth; Challenges; Opportunities
11	Revision	–
12	Examination	–
13	Closing	–

**JSS 3 SOCIAL AND CITIZENSHIP STUDIES SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	National Issues	Poverty, corruption, insecurity
2	Humanitarian Issues	Refugees, internally displaced persons (IDPs)
3	Peace Education	Peacebuilding; Negotiation; Mediation
4	Human Rights Protection	Strategies; National and international frameworks
5	Midterm Test	–
6	Citizenship in a Digital Age	Cyber citizenship; Responsible use of technology
7	Midterm Break	–
8	International Relations	Nigeria's role in UN, AU, ECOWAS
9	Global Peace and Security	Nigeria's contribution to world peace
10	Civic Leadership Skills	Public speaking; Advocacy; Participation
11	Revision	–
12	Examination	–
13	Closing	–

### JSS 3 SOCIAL AND CITIZENSHIP STUDIES SCHEME OF WORK

#### THIRD TERM

Week	Topic	Content
1	Civic Challenges in Africa	Governance, corruption, conflict, underdevelopment
2	Human Rights in Africa	African Charter on Human and Peoples' Rights
3	Sustainable Development	SDGs; Citizens' roles in achieving them
4	Entrepreneurship and Civic Responsibility	Linking business to national progress
5	Midterm Test	–
6	Civic Competence	Decision-making, teamwork, critical thinking
7	Midterm Break	–
8	Civic Participation in Nigeria's Future	Role of citizens in elections, governance, development
9	Revision of Entire Junior Secondary Curriculum	–
10	Mock Examination	–
11	Final Examination	BECE preparation
12	Closing	End of JSS cycle
13	–	–

## JSS 3 CULTURAL AND CREATIVE ARTS (CCA) SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Types and Features of Nigerian Traditional Arts	Nigerian Traditional Arts; Functions of Nigerian Traditional Arts; 1.3 Importance of Preserving Art as a Cultural Element.
2	Contemporary Nigerian Arts and Artists	Contemporary Nigerian Artists and their Contributions; How to Generate Income through Contemporary Artworks.
3	Meaning and Use of Motifs (Part 1)	Meaning of Motif and Pattern; Uses of Motifs.
4	Meaning and Use of Motifs (Part 2)	Creation of Motifs from Nature and Imagination; Repeat Patterns; Transfer of Motifs on Paper or Fabric.
5	<b>Midterm Examination</b>	—
6	Exhibition and Display Techniques	Preparing Artworks; Display Techniques; Categorising; Space, Screens and Lighting.
7	<b>Midterm Break</b>	—
8	Lettering	Meaning of Lettering; Types of Lettering; Lettering Construction; Stages in the Construction of Letters.
9	Construction and Design	Meaning of Package Design; Functions of Package Design; Processes in Package Design.
10	Marketing of Artworks	Sources of Funding for Art Business; Outlets for Marketing Art Products; Ways of Marketing Art Products; Pricing of Artworks.
11	<b>Revision</b>	<b>Revision of Weeks 1–10.</b>
12	<b>Examination</b>	—
13	<b>Closing</b>	—

### JSS 3 CULTURAL AND CREATIVE ARTS (CCA) SCHEME OF WORK

#### SECOND TERM

Week	Topic	Content
1	<b>Introduction to Embroidery (Part 1)</b>	Meaning of Embroidery; Types of Embroidery; Embroidery Materials/Tools.
2	<b>Introduction to Embroidery (Part 2)</b>	Sources of Embroidery Designs; Methods of Transferring Motifs on Fabrics; 8.6 Embroidery Stitches Guide.
3	<b>Knitting</b>	Meaning of Knitting; Types of Knitting; Materials/Tools; Basic Knitting Stitches.
4	<b>Crocheting</b>	Meaning of Crocheting; Materials/Tools; How to Crochet.
5	<b>Midterm Examination</b>	—
6	<b>Batik Work</b>	Meaning of Batik; Materials/Tools for Batik Work; Making a Batik Project.
7	<b>Midterm Break</b>	—
8	<b>Uses of Music</b>	Uses of Music; Impacts of Music.
9	<b>Creating Music / Solfa Notation Values</b>	Solfa Notation; Music Note Values; Rhythm; Clapping a Rhythm.
10	<b>Drama and the Development of Rural Communities</b>	Meaning of Drama and Theatre; Drama and Theatre for Rural Community Development; Ways Drama and Theatre Can Solve Community Issues and Problems; Roles of Drama and Theatre Towards Solving Community Issues and Problems
11	<b>Revision</b>	
12	<b>Examination</b>	
13	<b>Closing</b>	—

## JSS 3 CULTURAL AND CREATIVE ARTS (CCA) SCHEME OF WORK

### THIRD TERM

Week	Topic	Content
1	Opportunities for Career Dramatists	<ol style="list-style-type: none"><li>1. Opportunities for Career Dramatists</li><li>2. Opportunities for Career Dramatists in Nigeria</li><li>3. How Drama Can Affect the Society</li><li>4. Names of Notable Nigerian Dramatists/Playwrights</li></ol>
2	Processes of Choreography	<ol style="list-style-type: none"><li>1. Meaning of Choreographer</li><li>2. Processes Employed by a Choreographer to Create a Dance</li><li>3. Creating a Dance Pattern</li></ol>
3	<b>Prospects of Studying Dance in Nigeria</b>	The Prospects of Studying Dance in Nigeria
4	<b>Unity</b>	<ol style="list-style-type: none"><li>1. Meaning of Unity</li><li>2. Causes of Disunity at Home, in School and in the Society</li><li>3. How to Maintain Unity at Home, in School and in the Society</li><li>4. Demonstration of Acts of Unity</li></ol>
5	<b>Midterm Examination</b>	—
6-13	<b>Revision &amp; Examination</b>	

### JSS 3 FRENCH SCHEME OF WORK

#### FIRST TERM

Week	Thème / Unité	Contenu
1	Décrire plus précisément une personne	Vocabulaire pour la description physique et morale; utilisation des adjectifs qualificatifs.
2	Décrire un paysage et des lieux touristiques	Identifier les paysages naturels, monuments, sites touristiques et utiliser des adjectifs appropriés.
3	Expliquer ses habitudes	Expressions pour parler de la routine quotidienne et des activités régulières.
4	Parler d'un événement passé (les souvenirs)	Utilisation du passé composé et de l'imparfait; raconter un souvenir.
5	<b>Midterm Examination</b>	—
6	Décrire un objet	Vocabulaire des formes, couleurs, matières; parler de l'usage d'un objet.
7	<b>Midterm Break</b>	—
8	Comparer	Employer les comparatifs et superlatifs pour comparer personnes, objets et situations.
9	Dater et mesurer le temps	Savoir donner la date, l'heure; employer les expressions temporelles.
10	Raconter sa journée	Organisation d'un récit chronologique au présent et au passé.
11	<b>Revision</b>	Révision des unités 1–8 avec exercices pratiques (dialogues et rédaction).
12	<b>Examination</b>	—
13	<b>Closing</b>	—

### JSS 3 FRENCH SCHEME OF WORK

#### SECOND TERM

Week	Thème / Unité	Contenu
1	Relater un événement passé	Employer le passé composé, l'imparfait et les adverbes temporels pour situer les actions.
2	Rapporter un fait récent	Utilisation du passé composé avec "venir de" et autres structures pour exprimer l'actualité immédiate.
3	Comprendre un récit / Écrire son journal	Lecture et compréhension de récits simples; rédaction de son journal intime.
4	Dire ce que l'on va faire	Utilisation du futur proche et du futur simple; parler de ses intentions.
5	<b>Midterm Examination</b>	—
6	Faire des projets	Exprimer ses projets personnels et scolaires; vocabulaire de planification et futur simple.
7	<b>Midterm Break</b>	—
8	Consolidation orale et écrite	Exercices de dialogues, jeux de rôles et production écrite sur les unités 9–13.
9	Préparation au BECE (Partie I)	Révision ciblée: grammaire (temps du passé, futur, comparatifs).
10	Préparation au BECE (Partie II)	Révision ciblée: vocabulaire (description, transport, achats, temps, projets).
11	<b>Revision</b>	—
12	<b>Examination</b>	—
13	<b>Closing</b>	—

### JSS 3 INTERMEDIATE SCIENCE SCHEME OF WORK

#### FIRST TERM

Week	Topic	Breakdown (Subtopics)
1	Review of JSS 2 Work	Revision of matter, energy, and classification; Laboratory conduct and safety; Introduction to JSS 3 concepts
2	Ecosystem	Meaning and components; Interdependence and balance of nature; Food chains, food webs, and energy flow; Disruption of ecosystems
3	Natural Resources	Types: renewable and non-renewable; Importance to national economy; Conservation and management; Field observation project
4	Environmental Hazards	Meaning and types: drought, desertification, erosion, flooding; Causes and prevention; Disaster preparedness; Community safety measures
5	<b>MID-TERM EXAMINATION</b>	<b>Assessment of Weeks 1–4</b>
6	<b>MID-TERM BREAK</b>	<b>Holiday/Rest</b>
7	Environmental Health	Meaning and components; Importance of clean environment; Role of individuals and government; Environmental health officers
8	Waste Disposal and Recycling	Methods of waste disposal; Importance of recycling; Practical waste sorting activity; Effects of poor waste management
9	Sustainable Development	Meaning and principles; Environmental protection and sustainable use; SDGs related to environment; School eco-project
10	Review of Environmental Concepts	Summary of major environmental topics; Quiz and group presentation
11	<b>REVISION</b>	<b>Review of all topics in Term 1</b>
12	<b>EXAMINATION</b>	<b>End of Term Assessment</b>
13	<b>CLOSING/VACATION</b>	<b>Term ends</b>

### JSS 3 INTERMEDIATE SCIENCE SCHEME OF WORK

#### SECOND TERM

Week	Topic	Breakdown (Subtopics)
1	The Cell and Its Functions	Cell theory; Organelles and their roles; Differences between plant and animal cells; Observation under microscope
2	Tissues and Organs	Meaning and examples of tissues; Types and functions; Organs and organ systems; Importance of coordination
3	Heredity and Variation	Meaning of heredity; Inherited and acquired traits; Importance of variation; Simple genetic inheritance
4	Adaptation of Organisms	Meaning and examples; Adaptation to habitat; Structural and behavioral adaptations; Importance of adaptation
5	<b>MID-TERM EXAMINATION</b>	<b>Assessment of Weeks 1–4</b>
6	<b>MID-TERM BREAK</b>	<b>Holiday/Rest</b>
7	Atoms and Molecules	Basic structure of atom; Elements, compounds, and mixtures; Symbols and formulae; Simple chemical equations
8	Changes in Matter	Physical and chemical changes; Reversible and irreversible processes; Simple experiments
9	Water and Air	Composition and importance; Water purification and conservation; Air pressure and experiments
10	Microorganisms and Diseases	Pathogens and disease transmission; Prevention and control; Vaccination and hygiene practices
11	<b>REVISION</b>	<b>Review of all topics in Term 2</b>
12	<b>EXAMINATION</b>	<b>End of Term Assessment</b>
13	<b>CLOSING/VACATION</b>	<b>Term ends</b>

### JSS 3 INTERMEDIATE SCIENCE SCHEME OF WORK

#### THIRD TERM

Week	Topic	Breakdown (Subtopics)
1	Energy Transformation	Conversion from one form to another; Energy conservation; Simple demonstrations
2	Heat Transfer	Conduction, convection, radiation; Practical examples; Insulators and conductors
3	Electrical Energy	Meaning and sources; Electric circuit and symbols; Domestic wiring and safety; Conservation of electricity
4	Science, Technology and National Development	Relationship among science, technology, and development; Role of research in development; Inventions and innovators
5	<b>MID-TERM EXAMINATION</b>	<b>Assessment of Weeks 1–4</b>
6	<b>MID-TERM BREAK</b>	<b>Holiday/Rest</b>
7	Machines and Mechanisms	Simple and compound machines; Functions and uses; Mechanical advantage; Practical demonstration
8	ICT and Scientific Advancement	Role of ICT in science; Data collection and storage; Modern communication tools; Internet and global learning
9	Career Opportunities in Science and Technology	Careers in medical, engineering, ICT, and research fields; Skills required; Importance to national growth
10	Science Projects and Exhibitions	Planning and execution; Presentation and teamwork; Assessment and reflection
11	<b>REVISION</b>	<b>Review of all topics in Term 3</b>
12	<b>EXAMINATION</b>	<b>End of Term Assessment</b>
13	<b>CLOSING/VACATION</b>	<b>Term ends</b>

## JSS 3 DIGITAL TECHNOLOGIES SCHEME OF WORK

### FIRST TERM

Week	Topic	Breakdown (Subtopics)
1	Review of JSS2 Work	<ul style="list-style-type: none"><li>• Quick recap of programming and robotics</li></ul>
2	Advanced MS Word	<ul style="list-style-type: none"><li>• Page layout, tables, mail merge</li></ul>
3	Advanced MS PowerPoint	<ul style="list-style-type: none"><li>• Animation, transitions, multimedia integration</li></ul>
4	Introduction to Digital Media	<ul style="list-style-type: none"><li>• Meaning and importance</li><li>• Creating and editing digital content</li></ul>
5	<b>MID-TERM TEST</b>	<b>Assessment of Weeks 1–4</b>
6	Graphic Design with Canva	<ul style="list-style-type: none"><li>• Designing posters, flyers, social media posts</li></ul>
7	<b>MID-TERM BREAK</b>	<b>Holiday/Rest</b>
8	Photo Editing and Visual Communication	<ul style="list-style-type: none"><li>• Using online tools for design and branding</li></ul>
9	Copyright and Media Ethics	<ul style="list-style-type: none"><li>• Digital rights and fair use policies</li></ul>
10	Digital Portfolio Creation	<ul style="list-style-type: none"><li>• Compiling digital works and projects</li></ul>
11	<b>REVISION</b>	Comprehensive review
12	<b>EXAMINATION</b>	End of Term Assessment
13	<b>CLOSING/VACATION</b>	Term ends

## JSS 3 DIGITAL TECHNOLOGIES SCHEME OF WORK

### SECOND TERM

Week	Topic	Breakdown (Subtopics)
1	Introduction to Digital Entrepreneurship	<ul style="list-style-type: none"><li>• Meaning and importance</li><li>• Skills and opportunities</li></ul>
2	Internet Communication and Collaboration	<ul style="list-style-type: none"><li>• Email, video calls, and cloud tools</li></ul>
3	Social Media for Education and Business	<ul style="list-style-type: none"><li>• Responsible use</li><li>• Branding and promotion</li></ul>
4	Digital Marketing Basics	<ul style="list-style-type: none"><li>• Meaning and channels</li><li>• Advertising safely online</li></ul>
5	<b>MID-TERM TEST</b>	<b>Assessment of Weeks 1–4</b>
6	Cyber Ethics and Netiquette	<ul style="list-style-type: none"><li>• Respectful online behavior</li></ul>
7	<b>MID-TERM BREAK</b>	<b>Holiday/Rest</b>
8	Online Privacy and Protection	<ul style="list-style-type: none"><li>• Managing personal data</li><li>• Avoiding digital theft</li></ul>
9	Managing Digital Footprint	<ul style="list-style-type: none"><li>• Meaning and importance</li><li>• Creating a positive online presence</li></ul>
10	Digital Project: Online Business Simulation	<ul style="list-style-type: none"><li>• Students create mock e-business or blog</li></ul>
11	<b>REVISION</b>	Review of term topics
12	<b>EXAMINATION</b>	End of Term Assessment
13	<b>CLOSING/VACATION</b>	Term ends

## JSS 3 DIGITAL TECHNOLOGIES SCHEME OF WORK

### THIRD TERM

Week	Topic	Breakdown (Subtopics)
1	Management of e-Waste	<ul style="list-style-type: none"><li>• Meaning and sources of e-waste</li><li>• Safe disposal methods</li><li>• Environmental effects</li></ul>
2	Recycling Digital Devices	<ul style="list-style-type: none"><li>• Refurbishing and reusing old gadgets</li></ul>
3	Emerging Technologies	<ul style="list-style-type: none"><li>• IoT, Cloud, Blockchain, AR/VR</li></ul>
4	Preparing for Digital Future	<ul style="list-style-type: none"><li>• STEM education and career pathways</li></ul>
5	<b>MID-TERM TEST</b>	<b>Assessment of Weeks 1–4</b>
6	Artificial Intelligence in Everyday Life	<ul style="list-style-type: none"><li>• Examples: voice assistants, recommendations</li></ul>
7	<b>MID-TERM BREAK</b>	<b>Holiday/Rest</b>
8	Global Digital Citizenship	<ul style="list-style-type: none"><li>• Ethics and responsibilities in a connected world</li></ul>
9	Technology and Sustainable Development	<ul style="list-style-type: none"><li>• Role of ICT in achieving SDGs</li></ul>
10	Final Project: Student Digital Innovation	<ul style="list-style-type: none"><li>• Individual or group project presentation</li></ul>
11	<b>REVISION</b>	Final review of all years' topics
12	<b>EXAMINATION</b>	End of Junior Secondary Assessment
13	<b>CLOSING/VACATION</b>	Term ends

### JSS 3 BUSINESS STUDIES SCHEME OF WORK

#### FIRST TERM

Week	Topic	Content
1	Effective Office Practice	Meaning of office procedure; importance of office procedure.
2	Office Procedure (Part 1)	Procedures for making payments; preparation of sales and purchases documents.
3	Office Procedure (Part 2)	Imprest account: meaning, features, advantages.
4	Store Records	Meaning of store records; delivery note; gate pass.
5	<b>Midterm Examination</b>	—
6	Stocktaking	Meaning of stocktaking; importance of stocktaking in business.
7	<b>Midterm Break</b>	—
8	Office Equipment (Part 1)	Meaning of office equipment; types of office equipment.
9	Office Equipment (Part 2)	Care of office equipment; advantages and disadvantages.
10	Commerce – The Heart of Business	Nature of commerce as the center of business activities.
11	<b>Revision</b>	Weeks 1–10 topics.
12	<b>Examination</b>	—
13	<b>Closing</b>	—

## JSS 3 BUSINESS STUDIES SCHEME OF WORK

### SECOND TERM

Week	Topic	Content
1	Advertising (Part 1)	Meaning of advertising; types of advertising.
2	Advertising (Part 2)	Functions and methods of advertising.
3	Advertising (Part 3)	Media of advertising; ethics of advertising; advertising jingles.
4	Transportation	Meaning; importance of transportation to commerce; types, advantages and disadvantages.
5	<b>Midterm Examination</b>	—
6	Communication (Part 1)	Meaning of communication; process of effective communication; hindrances to communication.
7	<b>Midterm Break</b>	—
8	Communication (Part 2)	Methods of communication; importance to business.
9	Communication (Part 3)	Agencies of communication and their services; the Internet; GSM.
10	Setting Simple Business Goals	Difference between goals and objectives; SWOT analysis; strengths, weaknesses, opportunities, threats.
11	<b>Revision</b>	Weeks 1–10 topics.
12	<b>Examination</b>	—
13	<b>Closing</b>	—

### JSS 3 BUSINESS STUDIES SCHEME OF WORK

#### THIRD TERM

Week	Topic	Content
1	Business Plans (Part 1)	Meaning of a business plan; importance of a business plan.
2	Business Plans (Part 2)	Procedure for drawing up a simple business plan; format of a business plan.
3	Consumer Protection (Part 1)	Meaning; need for consumer protection; agencies and their roles.
4	Consumer Protection (Part 2)	Responsibilities of consumers; universal rights of consumers; instruments of consumer protection.
5	<b>Midterm Examination</b>	—
6	Consumer Protection (Part 3)	Complaints: meaning; justified vs unjustified complaints; steps in lodging complaints; writing a letter of complaint.
7	<b>Midterm Break</b>	—
8	Consumer Protection (Part 4)	Reasons for banning/restricting harmful chemicals; procedure for banning chemicals; seeking redress.
9	Personal Finance	Meaning; sources of finance for individuals; needs and wants; scale of preference; modesty and its effects.
10	Bookkeeping and Business Success	Trial balance (meaning, uses, items, preparation); Trading, Profit and Loss accounts (meaning, purpose, preparation); Balance sheet (meaning, uses, contents, preparation).
11	<b>Revision</b>	Weeks 1–10 topics.
12	<b>Examination</b>	—
13	<b>Closing</b>	—

**TRADE SUBJECTS IN JSS 3**

1. Solar Photovoltaic Installation and Maintenance
2. Fashion Design and Garment Making
3. Livestock Farming
4. Beauty and Cosmetology
5. Computer Hardware and GSM Repairs
6. Horticulture and Crop Production

## JSS 3 SOLAR PHOTOVOLTAIC (PV) INSTALLATION AND MAINTENANCE

### FIRST TERM

Week	Topic	Breakdown (Subtopics)
1	Introduction and Revision of Previous Work	<ul style="list-style-type: none"><li>• Review of JSS 2 topics: energy storage, performance evaluation, and fault detection</li><li>• Understanding advanced system configurations</li><li>• Classroom discussion: evolution of solar technology</li></ul>
2	Advanced Solar System Components	<ul style="list-style-type: none"><li>• Detailed study of PV modules, batteries, inverters, and charge controllers</li><li>• Latest innovations in solar components (Li-ion batteries, MPPT controllers)</li><li>• Component identification and selection for specific installations</li><li>• Practical: Comparing different inverter and battery types</li></ul>
3	System Design and Sizing	<ul style="list-style-type: none"><li>• Principles of system design</li><li>• Steps in sizing a solar system for home or school</li><li>• Calculating load requirements (AC/DC loads)</li><li>• Determining panel, battery, and inverter sizes</li><li>• Hands-on activity: Designing a 12V DC lighting system</li></ul>
4	Solar Installation Procedures (Advanced)	<ul style="list-style-type: none"><li>• Review of installation tools and materials</li><li>• Mounting techniques for panels and arrays</li><li>• Series and parallel connections (practical wiring session)</li><li>• Proper grounding and cable management</li><li>• Demonstration: Complete setup of a basic solar system</li></ul>
5	<b>MID-TERM EXAMINATION</b>	<ul style="list-style-type: none"><li>• <b>Assessment of Weeks 1–4 Topics</b></li></ul>
6	System Protection and Safety Devices	<ul style="list-style-type: none"><li>• Importance of safety in solar installations</li><li>• Protective devices: fuses, circuit breakers, surge arresters</li><li>• Proper earthing/grounding techniques</li><li>• Handling tools and batteries safely</li></ul>

		<ul style="list-style-type: none"> <li>• Practical: Installing a DC circuit breaker in a solar setup</li> </ul>
<b>7</b>	<b>MID-TERM BREAK</b>	<ul style="list-style-type: none"> <li>• <b>Rest and informal review activities</b></li> </ul>
<b>8</b>	Maintenance and Servicing of PV Systems	<ul style="list-style-type: none"> <li>• Preventive and corrective maintenance</li> <li>• Daily, weekly, and monthly maintenance schedules</li> <li>• Tools for maintenance and system testing</li> <li>• Troubleshooting common issues (low output, wiring faults)</li> <li>• Group activity: Creating a maintenance checklist</li> </ul>
<b>9</b>	Renewable Energy Policies and Regulations	<ul style="list-style-type: none"> <li>• Introduction to renewable energy policies in Nigeria</li> <li>• Agencies and organizations promoting solar adoption (REA, NEMSA, NERC)</li> <li>• Standards and safety codes for solar installation</li> <li>• Discussion: Why regulations are important for installers</li> </ul>
<b>10</b>	Entrepreneurship in Solar Energy (Revisited)	<ul style="list-style-type: none"> <li>• Business setup in solar energy (retail, installation, maintenance)</li> <li>• Customer relations and branding</li> <li>• Cost estimation and quotation writing</li> <li>• Case study: Successful Nigerian solar startups</li> <li>• Group presentation: “My Solar Business Plan”</li> </ul>
<b>11</b>	<b>REVISION</b>	<ul style="list-style-type: none"> <li>• <b>Comprehensive review of all topics covered</b></li> </ul>
<b>12</b>	<b>EXAMINATION</b>	<ul style="list-style-type: none"> <li>• <b>End of Term Practical and Written Assessment</b></li> </ul>
<b>13</b>	<b>CLOSING/VACATION</b>	<ul style="list-style-type: none"> <li>• <b>Term ends and summary of key learning points</b></li> </ul>

## JSS 3 SOLAR PHOTOVOLTAIC (PV) INSTALLATION AND MAINTENANCE

### SECOND TERM

Week	Topic	Breakdown (Subtopics)
1	Revision of First Term Work	<ul style="list-style-type: none"><li>• Review of advanced system components and installation</li><li>• Recap on system design and sizing</li><li>• Quick diagnostic test and discussion on students' practical experiences</li></ul>
2	Electrical Wiring for Solar Systems	<ul style="list-style-type: none"><li>• Introduction to solar electrical wiring concepts</li><li>• Types of electrical cables (AC/DC cables)</li><li>• Colour coding and polarity awareness</li><li>• Cable sizing and voltage drop considerations</li><li>• Practical: Connecting panels, controllers, and batteries correctly</li></ul>
3	Battery Bank Configuration	<ul style="list-style-type: none"><li>• Series and parallel connections in batteries</li><li>• Battery capacity and voltage calculation</li><li>• Factors affecting battery performance and lifespan</li><li>• Maintenance and storage of batteries</li><li>• Practical: Building a 24V battery bank</li></ul>
4	Inverter Operation and Connection	<ul style="list-style-type: none"><li>• Understanding inverter functions</li><li>• Types of inverters: pure sine wave, modified sine wave</li><li>• Inverter wiring: DC input and AC output</li><li>• Installation precautions and testing</li><li>• Demonstration: Connecting an inverter to a battery and load</li></ul>
5	<b>MID-TERM EXAMINATION</b>	<ul style="list-style-type: none"><li>• <b>Assessment of Weeks 1–4 Topics</b></li></ul>
6	Solar Load Management	<ul style="list-style-type: none"><li>• Understanding electrical loads</li><li>• Load prioritization and balancing</li><li>• Estimating total load consumption</li><li>• Power rating and efficiency management</li></ul>

		<ul style="list-style-type: none"> <li>• Practical: Load distribution for home solar setup</li> </ul>
<b>7</b>	<b>MID-TERM BREAK</b>	<ul style="list-style-type: none"> <li>• <b>Holiday/Rest</b></li> </ul>
<b>8</b>	Fault Detection and Troubleshooting	<ul style="list-style-type: none"> <li>• Common faults in solar installations</li> <li>• Diagnostic tools: multimeter, tester, ammeter</li> <li>• Identifying loose connections, faulty panels, and inverter issues</li> <li>• Step-by-step troubleshooting process</li> <li>• Practical: Testing and rectifying a system fault</li> </ul>
<b>9</b>	Solar System Testing and Commissioning	<ul style="list-style-type: none"> <li>• Procedures for testing system performance</li> <li>• Checking output voltage and current</li> <li>• Performance indicators: efficiency, shading effects, battery health</li> <li>• Final system commissioning checklist</li> <li>• Group project: Commissioning a classroom solar setup</li> </ul>
<b>10</b>	Documentation and Reporting	<ul style="list-style-type: none"> <li>• Recording installation data</li> <li>• Report writing and job documentation</li> <li>• Preparing invoices and customer service records</li> <li>• Group task: Prepare a mock solar project report</li> </ul>
<b>11</b>	<b>REVISION</b>	<ul style="list-style-type: none"> <li>• Comprehensive review of Second Term topics</li> </ul>
<b>12</b>	<b>EXAMINATION</b>	<ul style="list-style-type: none"> <li>• End of Term Practical and Written Assessment</li> </ul>
<b>13</b>	<b>CLOSING/VACATION</b>	<ul style="list-style-type: none"> <li>• <b>Term ends</b></li> </ul>

## JSS 3 SOLAR PHOTOVOLTAIC (PV) INSTALLATION AND MAINTENANCE

### THIRD TERM

Week	Topic	Breakdown (Subtopics)
1.	Revision of Previous Work	<ul style="list-style-type: none"><li>• Review of solar components, wiring, and maintenance</li><li>• Discussion on real-life solar installation scenarios</li><li>• Introduction to professional ethics in solar practice</li></ul>
2.	Occupational Health and Safety (OHS) in Solar Work	<ul style="list-style-type: none"><li>• Importance of safety in solar installation</li><li>• Common electrical hazards and prevention</li><li>• Safe handling of panels, batteries, and tools</li><li>• Personal protective equipment (PPE) and usage</li><li>• Practical: Safety drill and PPE inspection</li></ul>
3.	Solar Site Assessment	<ul style="list-style-type: none"><li>• Identifying suitable locations for PV systems</li><li>• Factors affecting solar site selection (orientation, shading, tilt angle, roof strength)</li><li>• Site survey checklist and measurements</li><li>• Practical: Performing a basic site assessment around the school</li></ul>
4.	System Installation Procedure	<ul style="list-style-type: none"><li>• Step-by-step installation process (mounting, wiring, connections, testing)</li><li>• Mounting structures: roof and ground installations</li><li>• Installing panels, controllers, inverters, and batteries</li><li>• Practical: Installing a small off-grid solar lighting system</li></ul>
5.	MID-TERM EXAMINATION	<ul style="list-style-type: none"><li>• Assessment of Weeks 1–4 Topics</li></ul>
6.	Maintenance and Servicing of Solar PV Systems	<ul style="list-style-type: none"><li>• Types of maintenance: preventive and corrective</li></ul>

		<ul style="list-style-type: none"> <li>• Cleaning panels and maintaining batteries</li> <li>• Checking electrical connections and components</li> <li>• Maintenance schedules and record-keeping</li> <li>• Practical: Conducting maintenance on a school solar unit</li> </ul>
7.	MID-TERM BREAK	<ul style="list-style-type: none"> <li>• Holiday/Rest</li> </ul>
8.	Energy Conservation and Efficiency	<ul style="list-style-type: none"> <li>• Meaning of energy conservation</li> <li>• Ways to reduce power consumption</li> <li>• Importance of energy-efficient appliances</li> <li>• Role of solar technology in sustainable living</li> <li>• Group discussion: Designing an energy-efficient home</li> </ul>
9.	Entrepreneurship in Solar Energy	<ul style="list-style-type: none"> <li>• Understanding solar business opportunities</li> <li>• Types of solar services (installation, maintenance, consultancy, sales)</li> <li>• Basic costing and quotation writing</li> <li>• Building customer relations and trust</li> <li>• Project: Develop a simple solar business plan</li> </ul>
10.	Project Work and Field Demonstration	<ul style="list-style-type: none"> <li>• Group project: Design, install, and test a mini solar setup</li> <li>• Documentation: materials used, cost, performance report</li> <li>• Oral presentation of group projects</li> <li>• Instructor evaluation and peer review</li> </ul>
11.	REVISION	<ul style="list-style-type: none"> <li>• General revision of the year's topics and practical exercises</li> </ul>
12.	EXAMINATION	<ul style="list-style-type: none"> <li>• Final written and practical assessment on full syllabus</li> </ul>

13.	CLOSING/VACATION	<ul style="list-style-type: none"><li>• Certificate preparation, evaluation, and closing ceremony</li></ul>
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### JSS 3 FASHION DESIGN AND GARMENT MAKING SCHEME OF WORK

#### FIRST TERM

Week	Topic	Content / Subtopics
1	Review of JSS 2 Work	Overview of tools, patterns, and garment production
2	Advanced Pattern Drafting	Drafting complex patterns for dresses and trousers
3	Garment Assembly Techniques	Sewing, lining, and interfacing
4	Finishing High-Quality Garments	Edge finishes and professional pressing
5	<b>Mid-Term Examination</b>	—
6	Fashion Accessories	Designing and making simple accessories (belts, bags)
7	<b>Mid-Term Break</b>	—
8	Fabric Decoration	Tie and dye, appliqué, embroidery, and beadwork
9	Digital Fashion Design	Advanced use of digital platforms for sketching
10	Creating Digital Collections	Combining designs to create themed collections
11	Revision	Review of term's topics
12	Examination	—
13	Closing / Vacation	—

## JSS 3 FASHION DESIGN AND GARMENT MAKING SCHEME OF WORK

### SECOND TERM

Week	Topic	Content / Subtopics
1	Entrepreneurship in Fashion	Starting a small fashion business
2	Record Keeping and Bookkeeping	Business records and accounts
3	Costing and Pricing of Garments	Cost elements and pricing strategies
4	Branding and Marketing	Developing a fashion brand; advertising methods
5	<b>Mid-Term Examination</b>	—
6	Digital Marketing	Using social media for fashion marketing
7	<b>Mid-Term Break</b>	—
8	Customer Relationship	Handling clients and feedback
9	Fashion Business Ethics	Integrity, creativity, and sustainability
10	Project: Mini Fashion Business Plan	Practical project on fashion business planning
11	Revision	—
12	Examination	—
13	Closing / Vacation	—

## JSS 3 FASHION DESIGN AND GARMENT MAKING SCHEME OF WORK

### THIRD TERM

Week	Topic	Content / Subtopics
1	Fashion Portfolio Development	Compiling digital and physical portfolios
2	Presentation Skills	Communicating fashion ideas effectively
3	Fashion Exhibition Preparation	Display and arrangement techniques
4	Fashion Show Project	Planning and coordinating a mini fashion show
5	<b>Mid-Term Examination</b>	—
6	Portfolio Evaluation	Reviewing and improving portfolio works
7	<b>Mid-Term Break</b>	—
8	BECE Preparation	Review of JSS1–JSS3 concepts and practicals
9	BECE Preparation (continued)	Mock assessment and project defense
10	BECE Examination	Practical and written exam
11	<b>Revision</b>	Review and reflection on fashion skills learned
12	<b>Examination</b>	—
13	<b>Closing / Vacation</b>	—

## JSS 3 LIVESTOCK FARMING SCHEME OF WORK

### FIRST TERM

Week	Topic	Content / Subtopics
1	Review of JSS 2 Work	Revision of poultry, rabbit, and sheep/goat production
2	Advanced Poultry Management	Hatchery management, incubation, and chick brooding
3	Livestock Breeding Techniques	Natural and artificial insemination methods
4	Health and Safety in Livestock Farming	Hygiene, handling of chemicals, and personal safety on the farm
5	<b>Mid-Term Examination</b>	—
6	Waste Management	Composting, recycling, and manure utilization
7	<b>Mid-Term Break</b>	—
8	Farm Layout Planning	Design and organization of small livestock farms
9	Livestock Record Analysis	Profit and loss determination; Evaluation of production efficiency
10	Practical: Livestock Farm Design	Group project — planning and model design of a small farm
11	<b>Revision</b>	Review of all topics covered during the term
12	<b>Examination</b>	—
13	<b>Closing / Vacation</b>	—

## JSS 3 LIVESTOCK FARMING SCHEME OF WORK

### SECOND TERM

Week	Topic	Content / Subtopics
1	Advanced Entrepreneurship in Livestock	Identifying business opportunities; Expansion and scaling up production
2	Financial Management in Livestock Business	Budgeting, savings, credit facilities, and agricultural loans
3	Marketing Strategies	Branding, advertising, customer service, and retention
4	Cooperative Farming	Meaning, types, and benefits of agricultural cooperatives
5	<b>Mid-Term Examination</b>	—
6	Farm Record Keeping (Advanced)	Income statement, sales record, and expenditure analysis
7	<b>Mid-Term Break</b>	—
8	Value Addition in Livestock Products	Processing eggs, meat, hides, and fur for higher profits
9	Export of Livestock Products	Export requirements, standards, and documentation
10	Practical Project	Developing a mini business plan or market survey
11	<b>Revision</b>	Review of the term's work
12	<b>Examination</b>	—
13	<b>Closing / Vacation</b>	—

## JSS 3 LIVESTOCK FARMING SCHEME OF WORK

### THIRD TERM

Week	Theme / Topic	Content / Subtopics
1	Agribusiness Project Development	Developing a business plan for livestock enterprise
2	Marketing and Distribution Channels	Identifying buyers and marketing outlets
3	Pricing and Cost Control	Calculating production cost and setting prices
4	<b>Mid-Term Examination</b>	—
5	Livestock Exhibition and Demonstration	Presentation of class livestock projects
6	Revision	Comprehensive review of JSS1–3 work
7–10	BECE Preparation and Examination	—

## JSS 3 BEAUTY AND COSMETOLOGY SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Review of JSS 2 Work	Hair and makeup recap.
2	Advanced Hair Styling	Braiding, fixing, and extensions (theory & demonstration).
3	Hair Coloring and Relaxing	Steps, products, and safety measures.
4	Hair Treatment	Deep conditioning and scalp care.
5	<b>Midterm Examination</b>	
6	Skin Care Routine	Cleansing, exfoliation, and facial massage.
7	<b>Midterm Break</b>	
8	Makeup Application Techniques	Steps for day and evening makeup.
9	Nail Extension and Maintenance	Fixing and removing artificial nails safely.
10	Salon Hygiene	Disinfection and sanitation of tools.
11	<b>Revision</b>	
12	<b>Revision</b>	
13	<b>Examination / Closing</b>	

## JSS 3 BEAUTY AND COSMETOLOGY SCHEME OF WORK

### SECOND TERM

Week	Topic	Content
1	Review of First Term	Recap on advanced styling and skincare.
2	Advanced Skin Treatment	Steaming, exfoliation, and herbal masks.
3	Makeup Products and Their Functions	Uses of concealer, powder, lipstick, and eyeliner.
4	Hairdressing Tools	Care and maintenance of hair equipment.
5	<b>Midterm Examination</b>	
6	Customer Care	Communication and handling complaints.
7	<b>Midterm Break</b>	
8	Professional Ethics	Honesty, neatness, punctuality, and confidentiality.
9	Entrepreneurship in Beauty	Identifying opportunities and managing a small salon.
10	Record Keeping and Financial Management	Budgeting and pricing of services.
11	<b>Revision</b>	
12	<b>Revision</b>	
13	<b>Examination / Closing</b>	

## JSS 3 BEAUTY AND COSMETOLOGY SCHEME OF WORK

### THIRD TERM

Week	Topic	Content
1	Review of Second Term	Recap of entrepreneurship and customer care.
2	Product Knowledge	Safe use and identification of cosmetics.
3	Branding and Packaging	Creating a beauty brand identity.
4	Marketing Strategies	Social media and customer referrals.
5	<b>Midterm Examination</b>	
6	Setting Up a Beauty Business	Steps, capital, and salon layout.
7	<b>Midterm Break</b>	
8	Health and Safety in the Salon	First aid and hygiene practices.
9	Beauty Career Opportunities	Career paths in cosmetology.
10	Project Work	Group salon or beauty product design project.
11	<b>Revision</b>	
12	<b>Revision</b>	
13	<b>Examination / Closing</b>	

## JSS 3 COMPUTER HARDWARE AND GSM REPAIRS

### FIRST TERM

Week	Topic	Breakdown / Subtopics
1	Review of JSS 2 Work	Recap of circuits, entrepreneurship, and software tools
2	Introduction to Advanced GSM Repairs	Identifying advanced faults; Board-level repairs
3	Soldering and Desoldering Techniques	Tools for soldering; Safety precautions
4	Replacing Phone Components	Replacing charging ports, screens, speakers, and buttons
5	<b>Mid-Term Examination</b>	—
6	Troubleshooting Advanced Faults	Power IC, CPU, and memory-related issues
7	<b>Mid-Term Break</b>	—
8	Flashing and Unlocking Complex Devices	Flashing Android and iPhones; IMEI repair; Avoiding software bricking
9	Practical: Complex Fault Repair	Hands-on practice with multiple faults
10	<b>Revision</b>	—
11	<b>Examination</b>	—
12	<b>Closing / Vacation</b>	—

### JSS 3 COMPUTER HARDWARE AND GSM REPAIRS

#### SECOND TERM

Week	Topic	Breakdown / Subtopics
1	Entrepreneurship in GSM Repairs	Expanding repair services; Managing customers and suppliers
2	Concept of Money and Investment	Reinvestment, cost management, and profit calculation
3	Business Start-up Procedures	Registration, business name, and licensing
4	Bookkeeping and Financial Records	Ledger, profit/loss, and financial reporting
5	<b>Mid-Term Examination</b>	—
6	Marketing of GSM Repair Services	Advertising, branding, and online presence
7	<b>Mid-Term Break</b>	—
8	Rights and Duties of Citizens	Consumer protection laws, integrity, and accountability
9	Practical: Setting up a Mini GSM Shop	Designing a small-scale business plan and layout
10	<b>Revision</b>	—
11	<b>Examination</b>	—
12	<b>Closing / Vacation</b>	—

## JSS 3 COMPUTER HARDWARE AND GSM REPAIRS

### THIRD TERM

Week	Topic	Breakdown / Subtopics
1	Final Business Project	Developing and presenting a GSM repair business plan
2	Exhibition and Product Display	Demonstration of repair skills and innovations
3	Entrepreneurship Fair Preparation	Preparing for BECE practicals and presentation
4	<b>Mid-Term Examination</b>	—
5	Revision and BECE Preparation	Review of JSS1–3 topics and practicals
6–13	BECE Examination and Closing	—

### JSS 3 HORTICULTURE AND CROP PRODUCTION SCHEME OF WORK

#### FIRST TERM

Week	Topic	Breakdown (Subtopics)
1	Review of JSS2 Work	<ul style="list-style-type: none"><li>• Quick revision of crop production and horticulture basics</li></ul>
2	Soil Management	<ul style="list-style-type: none"><li>• Erosion control methods</li><li>• Crop rotation</li><li>• Cover cropping</li></ul>
3	Crop Planting Techniques	<ul style="list-style-type: none"><li>• Advanced planting methods</li><li>• Spacing and depth</li></ul>
4	Fertilizer Management	<ul style="list-style-type: none"><li>• Organic composting</li><li>• Fertilizer scheduling</li></ul>
5	<b>MID-TERM TEST</b>	<ul style="list-style-type: none"><li>• <b>Assessment of Weeks 1–4</b></li></ul>
6	Crop Irrigation	<ul style="list-style-type: none"><li>• Meaning and methods of irrigation</li><li>• Importance and maintenance</li></ul>
7	<b>MID-TERM BREAK</b>	<ul style="list-style-type: none"><li>• <b>Holiday/Rest</b></li></ul>
8	Pest and Disease Control	<ul style="list-style-type: none"><li>• Integrated pest management</li><li>• Crop sanitation</li></ul>
9	Crop Harvesting and Yield Improvement	<ul style="list-style-type: none"><li>• Harvesting techniques</li><li>• Crop yield measurement</li></ul>
10	Post-Harvest Technology	<ul style="list-style-type: none"><li>• Handling, storage, and processing</li></ul>
11	<b>REVISION</b>	<ul style="list-style-type: none"><li>• Comprehensive review</li></ul>
12	<b>EXAMINATION</b>	<ul style="list-style-type: none"><li>• End of Term Assessment</li></ul>
13	<b>CLOSING/VACATION</b>	<ul style="list-style-type: none"><li>• Term ends</li></ul>

## JSS 3 HORTICULTURE AND CROP PRODUCTION SCHEME OF WORK

### SECOND TERM

Week	Topic	Breakdown (Subtopics)
1	Crop Improvement	<ul style="list-style-type: none"><li>• Meaning and methods</li><li>• Selection, breeding, hybridization</li></ul>
2	Seed Production and Certification	<ul style="list-style-type: none"><li>• Meaning and importance</li><li>• Agencies involved</li></ul>
3	Organic Farming	<ul style="list-style-type: none"><li>• Meaning and principles</li><li>• Benefits and challenges</li></ul>
4	Greenhouse Technology	<ul style="list-style-type: none"><li>• Meaning and components</li><li>• Advantages in horticulture</li></ul>
5	<b>MID-TERM TEST</b>	<ul style="list-style-type: none"><li>• <b>Assessment of Weeks 1–4</b></li></ul>
6	Enterprise Skills in Agriculture	<ul style="list-style-type: none"><li>• Creativity, innovation, problem-solving</li></ul>
7	<b>MID-TERM BREAK</b>	<ul style="list-style-type: none"><li>• <b>Holiday/Rest</b></li></ul>
8	Business Plan Development	<ul style="list-style-type: none"><li>• Steps and importance</li><li>• Practical class</li></ul>
9	Marketing and Branding	<ul style="list-style-type: none"><li>• Advertising and sales promotion</li></ul>
10	Agribusiness Project	<ul style="list-style-type: none"><li>• Class mini project (production, sales, records)</li></ul>
11	<b>REVISION</b>	<ul style="list-style-type: none"><li>• Review</li></ul>
12	<b>EXAMINATION</b>	<ul style="list-style-type: none"><li>• End of Term Assessment</li></ul>
13	<b>CLOSING/VACATION</b>	<ul style="list-style-type: none"><li>• Term ends</li></ul>

## JSS 3 HORTICULTURE AND CROP PRODUCTION SCHEME OF WORK

### THIRD TERM

Week	Topic	Breakdown (Subtopics)
1	Introduction to Agripreneurship	<ul style="list-style-type: none"><li>• Meaning and scope</li><li>• Importance in modern agriculture</li></ul>
2	Enterprise Development	<ul style="list-style-type: none"><li>• Business idea generation</li><li>• Planning for success</li></ul>
3	Record-Keeping and Bookkeeping	<ul style="list-style-type: none"><li>• Simple bookkeeping in agribusiness</li></ul>
4	Financial Literacy	<ul style="list-style-type: none"><li>• Budgeting, profit, and loss</li><li>• Cost management</li></ul>
5	<b>MID-TERM TEST</b>	<ul style="list-style-type: none"><li>• <b>Assessment of Weeks 1–4</b></li></ul>
6	Business Management	<ul style="list-style-type: none"><li>• Leadership and teamwork</li></ul>
7	<b>MID-TERM BREAK</b>	<ul style="list-style-type: none"><li>• <b>Holiday/Rest</b></li></ul>
8	Marketing and Distribution	<ul style="list-style-type: none"><li>• Market research, sales, and logistics</li></ul>
9	Sustainable Agriculture	<ul style="list-style-type: none"><li>• Climate-smart farming</li><li>• Environmental protection</li></ul>
10	Project Presentation	<ul style="list-style-type: none"><li>• Students' enterprise project</li></ul>
11	<b>REVISION</b>	<ul style="list-style-type: none"><li>• Final review</li></ul>
12	<b>EXAMINATION</b>	<ul style="list-style-type: none"><li>• End of Session Assessment</li></ul>
13	<b>CLOSING/VACATION</b>	<ul style="list-style-type: none"><li>• Term ends</li></ul>

# **SENIOR SECONDARY ONE SCHEME OF WORK**

## **(NEW NERDC SCHEME)**

- 1. English Language**
- 2. General Mathematics**
- 3. Citizenship and Heritage Studies**
- 4. Digital Technologies**
- 5. Biology**
- 6. Chemistry**
- 7. Physics**
- 8. Agriculture**
- 9. Further Mathematics**
- 10. Foods & Nutrition**
- 11. Geography**
- 12. Technical Drawing**
- 13. Nigerian History**
- 14. Government**
- 15. Christian Religious Studies**
- 16. Visual Arts**
- 17. Literature in English**
- 18. Catering craft**
- 19. Accounting**
- 20. Commerce**
- 21. Marketing**
- 22. Economics**
- 23. Trade subjects (Students to choose one trade subject)**
  - 1) Solar Photovoltaic installation and maintenance**
  - 2) Fashion design and garment making**
  - 3) Livestock farming,**
  - 4) Beauty and cosmetology**
  - 5) Computer hardware and GSM repairs**
  - 6) Horticulture and crop production**

**SS1 ENGLISH STUDIES SCHEME OF WORK**

**FIRST TERM**

<b>Week</b>	<b>Topic</b>	<b>Breakdown</b>
1	Spoken English: Oral Composition Skills I (Narrative) Vocabulary Development: Vocabulary Associated with the Home Grammar: Nouns – Numbers	- Use of picture charts to develop narration. - Use of special words to bring out narrative elements in discourse. - Vocabulary: kitchen wares, utensils, wardrobe, pantry, dining room, upholstery. - Rules for forming plural nouns and practice in forming plural nouns.
2	Reading Comprehension: Word Meanings through Context Vocabulary Development: Vocabulary Associated with Family Life Listening Comprehension Continuous Writing: Narrative Grammar: Nouns and Gender	- Dictionary use for word meanings; contextual usage. - Vocabulary: uncle, aunt, nephew, fiancé/fiancée, siblings, ancestor, naming ceremony. - Listening to selections (poems, stories, drama) reflecting national values. - Narrative composition: <i>My First Day at College</i> . - Grammar: four genders – masculine, feminine, common, neuter.
3	Spoken English: Selected Consonant Sounds (θ, ð, ʒ, ʃ) Vocabulary Development: Vocabulary Associated with Agriculture Reading Comprehension	- Practice pronunciation: /ʃ/, /z/, /ʒ/, /θ/, /ð/. - Vocabulary: crops (yam, cassava, onions, cocoyam), farming activities (staking, pruning, ridge-making). - Reading comprehension passages for contextual meanings.
4	Grammar: Countable and Uncountable Nouns Listening Comprehension Reading Comprehension Continuous Writing: Narrative Grammar: Types of Nouns	- Explanation of countable/uncountable nouns. - Uncountable nouns in singular forms (news, trousers, advice). - Listening selections: poem/passage. - Narrative composition: <i>A Day I Will Never Forget</i> . - Grammar: proper, common, concrete, collective, abstract nouns.
5	Midterm Examination	Midterm Assessment covering Weeks 1–4 work.
6	Spoken English: Consonants followed by /w/ Vocabulary Development: Agriculture (Implements) Listening Comprehension Grammar: Noun Phrases with the Definite Article	- Pronunciation: twist, sweep, swear, twig. - Vocabulary: farming implements (tractor, harvester, hoe, axe). - Listening comprehension. - Grammar: definition of noun phrase, role of definite article.
7	Midterm Break	—
8	Listening Comprehension: Grasping Main Ideas Reading Comprehension: Contextual Word Meaning Continuous Writing: Narrative Grammar: Noun Phrases with Definite Article (exceptions)	- Listening to real-life speeches, identifying main points. - Use of dictionary for contextual meanings. - Narrative composition: <i>The Story of the Governor Who Stole Millions from the State Treasury</i> . - Exceptions to article use (diseases, lakes, mountains, institutions, countries).

9	Spoken English: Oral Composition Skills II (Descriptive) Vocabulary Development: Vocabulary Associated with Fishing Continuous Writing: Descriptive Grammar: Nominalization of Adjectives	- Using picture charts to describe objects/events. - Vocabulary: fish pond, line and sinker, net, fish trap. - Descriptive composition: <i>The Petrol State in Times of Fuel Scarcity</i> . - Grammar: nominalizing adjectives (wise → wisdom, strong → strength).
10	Listening Comprehension: Grasping Main Points Reading Comprehension: Comprehending Main Ideas Continuous Writing: Descriptive Grammar: Nominalization of Verbs	- Listening to recorded conversations, identifying key ideas. - Reading short prose passages, topical issues (corruption, HIV/AIDS). - Descriptive composition: <i>A Flood Disaster Caused by Blocked Drains</i> . - Grammar: nominalizing verbs (conquer → conquest, dance → dancer).
11	Vocabulary Development: Vocabulary Associated with Animal Husbandry Spoken English: Consonants followed by /j/ Continuous Writing: Descriptive Grammar: Irregular Verbs	- Vocabulary: poultry, piggery, pen, vet doctor, herdsmen. - Pronunciation: curious, cure, endure, humour. - Descriptive composition: <i>A Fire Incident in My Street</i> . - Grammar: irregular verbs with examples in sentences.
12	Spoken English: Consonants followed by /j/ and /u:/ sounds Listening Comprehension: Short Debate Reading Comprehension: Main Ideas Grammar: Irregular Verbs (continued)	- Pronunciation: dew, due, stew, humour. - Listening to debates and identifying main arguments. - Reading dialogues and identifying central themes. - Forms of irregular verbs with usage in context.
13	Revision, Examination and Closing	- Week 11: Revision (review Weeks 1–12). - Week 12: Examination. - Week 13: Closing.

**SS1 ENGLISH STUDIES SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content Breakdown</b>
1	Words Associated with Religions	<b>Vocabulary:</b> Definition of traditional religion; words associated with traditional religion (shrine, cult, diviner, oracle, charm, amulet, ritual, sacrifice, etc.). <b>Spoken English:</b> Consonant sounds followed by /kw/ (quiet, quench, quarter, equal, question). <b>Examples:</b> He has the answer to the question; My friend lives in the junior staff quarter. <b>Reading Comprehension:</b> Short prose passages from student text, newspapers and magazines. <b>Grammar:</b> Simple tense forms (I come, you come, she comes, etc.); sentence construction and correction.
2	Vocabulary Associated with Christian Religion	<b>Vocabulary:</b> Definition of Christianity; words associated with Christianity (Holy Bible, clergy, Pope, Bishop, nun, communion, pew, aisle, deacon, pastor, evangelist, repentance, prayer, fasting, convert, etc.). <b>Listening Comprehension:</b> Identifying details using connectives (because, as a result, for example, such as, consequently, etc.). <b>Continuous Writing:</b> Informal letter—meaning, format (address, date, salutation, body, closing). <b>Grammar:</b> Complex tense forms (I am coming, I have come, I have been coming, etc.) with illustrations.
3	Vocabulary Associated with Islamic Religion	<b>Vocabulary:</b> Definition of Islam; words associated with Islam (Quran, mosque, hajj, pilgrimage, ablution, sheikh, sunna, hadith, prophet, saint, Sallah, Id-el-Kabir, Id-el-Fitr, praying mats, etc.). <b>Spoken English:</b> Syllabic /l/ in words (little, bottle, kettle, rattle, novel, simple). <b>Reading Comprehension:</b> As in Week 1. <b>Grammar:</b> Further practice on simple and complex tense forms.
4	Spoken English: Syllabic /n/	<b>Spoken English:</b> Syllabic /n/ in words (often, sudden, ripen, certain, mutton). Sentences: “There is a sudden knock at the door”; “It is certain she will visit.” <b>Listening Comprehension:</b> As in Week 2. <b>Reading Comprehension:</b> As in Week 1. <b>Continuous Writing:</b> Informal letter—meaning, format, tone (relaxed, flexible, may tolerate slang).
5	<b>Midterm Examination</b>	—
6	Vocabulary Development (Other Religious Expressions)	<b>Vocabulary:</b> Other words associated with religion (convert, fanatic, hermit, atheist, martyr, pantheist, saint, agnostic). <b>Spoken English:</b> Stress on two-syllable words with emphasis on second syllable (enjoy, engulf, inform, incite, welcome, excite). <b>Listening Comprehension:</b> As in Week 2. <b>Dictation:</b> Selected passages.
7	<b>Midterm Break</b>	—
8	Listening Comprehension: Mood, Tone, and Purpose	<b>Listening Comprehension:</b> Identifying mood, tone, and purpose from speeches, plays, and recordings. <b>Reading Comprehension:</b> Identifying mood, tone, and purpose of passages. <b>Continuous Writing:</b> Informal letter (revision). <b>Grammar:</b> Complex sentences—structure, types of clauses, examples.
9	Words Associated with Profession – Advertising	<b>Vocabulary:</b> Definition of advertising; words associated (agent, promotion, publicity, poster, billboard, media, etc.). <b>Spoken English:</b> Stress in three-syllable words (exception, encompass, photograph, prohibit, exhibit, examine). <b>Continuous Writing:</b>

		Semi-formal letter—meaning, format, language and tone, differences from informal letters. <b>Grammar:</b> Complex sentences (revision and application).
10	Listening Comprehension: Poem & Debate	<b>Listening Comprehension:</b> Identifying mood, tone, and purpose in poems, discussions, and debates. <b>Reading Comprehension:</b> As in Week 6. <b>Continuous Writing:</b> Semi-formal letter—revision of format and tone. <b>Dictation:</b> Selected passages.
11	Words Associated with Profession – Stock Exchange	<b>Vocabulary:</b> Stock exchange terms (broker, shares, dividends, profit margin, bankruptcy, stock market, customer, etc.). <b>Spoken English:</b> Stress in four-syllable words (supervisor, legislation, agriculture, fortunately, ambassador, education, tribalism). <b>Reading Comprehension:</b> As in Week 6. <b>Grammar:</b> Compound and complex sentences (comparison, examples).
12	Spoken English: Advanced Stress and Record Keeping	<b>Spoken English:</b> More practice on stress in four-syllable words using dictionary. <b>Listening Comprehension:</b> Following directions (left turn, right turn, straight ahead, roundabout, landmarks). <b>Continuous Writing:</b> Record keeping—meaning, types, uses, examples (register, visitor’s book, diary). <b>Grammar:</b> More practice on complex and compound sentences.
13	<b>Examination &amp; Closing</b>	General revision of vocabulary, grammar, spoken English, comprehension, and writing.

**SS1 ENGLISH STUDIES SCHEME OF WORK**

**THIRD TERM**

<b>Week</b>	<b>Topic</b>	<b>Content Breakdown</b>
<b>1</b>	Vocabulary Development – Antonyms (Words Exactly Opposite in Meaning)	<b>Vocabulary:</b> Definition of antonyms; words opposite in meaning (good–bad, friendly–hostile, discipline–indiscipline, temporary–permanent, rich–poor, light–dark, black–white, man–woman). <b>Spoken English:</b> Stress timing in English sentences, correct phrasing and voice modulation in continuous prose reading. Use simple sentences such as: “Pick up that book”; “Who is writing the essay?” <b>Reading Comprehension:</b> Reading short prose passages on topical issues (waste disposal, HIV/AIDS, honesty, dignity in labour, exam malpractice, corruption). <b>Grammar:</b> Adjuncts (adverbs)—definition, functions, examples (place, time, manner, reason).
<b>2</b>	Vocabulary Development – Antonyms (Words Nearly Opposite in Meaning)	<b>Vocabulary:</b> Words nearly opposite in meaning (cheerful–unhappy, sickly–healthy, harmonious–discordant, false–genuine, tough–tender). <b>Listening Comprehension:</b> Listening to identify a speaker’s style in different materials (expository, narrative, descriptive). <b>Continuous Writing:</b> Record keeping—writing simple records of class or daily events. <b>Grammar:</b> Adjuncts (revision); classes of adjuncts—place, time, manner, reason, degree—with sentence examples.
<b>3</b>	Vocabulary Development – Synonyms (Words the Same in Meaning)	<b>Vocabulary:</b> Definition of synonyms; words that mean the same (quick–fast, strong–powerful, busy–engaged, brave–fearless, fearful–timid, enemy–foe). <b>Spoken English:</b> As in Week 1 (stress timing, phrasing, voice modulation). <b>Reading Comprehension:</b> As in Week 1 (making notes from texts). <b>Grammar:</b> Adjuncts—further examples (fast as adjective/adverb; quickest as superlative).
<b>4</b>	Listening Comprehension – Summary Skills	<b>Listening Comprehension:</b> Listening for summary through key words (in addition, as well as, first, second, furthermore, despite, etc.). <b>Reading Comprehension:</b> Selected passages on topical issues (patriotism, privatization, kidnapping, corruption). <b>Continuous Writing:</b> Speech writing—features (opening greetings, introduction, body, conclusion); speeches for occasions (welcome address, prize giving, wedding toast). <b>Dictation:</b> Selected words from passages.
<b>5</b>	<b>Midterm Examination</b>	—
<b>6</b>	Vocabulary Development – Synonyms (Words Nearly the Same in Meaning)	<b>Vocabulary:</b> Words nearly the same in meaning (securely–safely, guest–visitor, adore–admire). <b>Spoken English:</b> Oral composition skills (expository writing, use of exact words and sentences). <b>Grammar:</b> Phrasal verbs (come across, come in, come up, come forward, etc.). <b>Reading Comprehension:</b> As in Week 4.
<b>7</b>	<b>Midterm Break</b>	—
<b>8</b>	Continuous Writing – Speech Writing (Revision)	<b>Continuous Writing:</b> Revising speech features (introduction, body, conclusion); characteristics of different types (welcome, toast, address). <b>Vocabulary Development:</b> Spelling of commonly misspelt words (receive, deceive, grateful, beginning,

		success, omission, accommodation, embarrass, recommendation, etc.). <b>Spoken English:</b> Oral composition—argumentative speech; use of convincing words. <b>Grammar:</b> Phrasal verbs (call off, call out, call in, call on, call up).
9	Continuous Writing – Newspaper Articles	<b>Continuous Writing:</b> Features of newspaper articles; differences between newspaper articles, speeches, and letters. <b>Listening Comprehension:</b> As in Week 4 (listening for summary). <b>Reading Comprehension:</b> As in Week 4 (summary passages). <b>Dictation:</b> Selected passages.
10	Vocabulary Development – Commonly Misspelt Words II	<b>Vocabulary:</b> Continued spelling drills with dictionary use. <b>Spoken English:</b> Debate practice—topics such as “Farmers are more important than doctors,” “Women are better leaders,” “Corruption destroys a nation.” <b>Reading Comprehension:</b> As in Week 4. <b>Grammar:</b> Phrasal verbs (give up, give in, give away, put off, put on, put up, put into).
11	Spoken English – Debate Session	<b>Spoken English:</b> Debate practice on the topic “ <i>Women are better leaders.</i> ” <b>Continuous Writing:</b> Writing articles on current issues (bribery, fraud, importance of good life, cleanliness). <b>Grammar:</b> Phrasal verbs (bring back, bring about, bring up, take away, take off, take in, take up).
12	<b>Revision</b>	General revision across vocabulary, spoken English, grammar, listening comprehension, reading comprehension, and writing.
13	<b>Examination &amp; Closing</b>	—

## SS1 MATHEMATICS SCHEME OF WORK

### FIRST TERM

**Theme: Number and Numeration / Algebraic Processes / Logic**

Week	Topic	Content
1	Number Base System	- Conversion from one base to base 10 - Conversion of decimal fractions in one base to another - Arithmetic operations in number bases - Application to computer programming
2	Modular Arithmetic	- Revision of arithmetic operations - Concept of modular arithmetic - Simple operations in modular arithmetic - Applications to daily life
3	Indices	- Revision of standard form - Laws of indices with examples - Applications of indices in problem solving
4	Logarithms	- Definition of logarithm - Relationship between logarithm, indices and standard form - Graph of $10^x$ - Reading logarithm and antilogarithm tables
5	Midterm Examination	—
6	Effective Use of Logarithm Tables	- Use of logarithm tables in calculations (division, multiplication, powers, roots) - Applications of logarithms in capital markets and real-life problem solving
7	Midterm Break	—
8	Simple Equations and Variations	- Change of subject of formula (involving roots, brackets, powers) - Substitution - Direct, inverse and joint variation - Applications of variation
9	Quadratic Equations I	- Revision of factorization of integers - Factorization of quadratic expressions - Solution of quadratic equations by factorization
10	Quadratic Equations II	- Formation of quadratic equations with given roots - Drawing quadratic graphs - Obtaining roots from graphs - Applications of quadratic equations to real life
11	Logical Reasoning I	- Simple statements - Examples of true/false statements - Negation of simple statements
12	Logical Reasoning II	- Compound statements: meaning and types - Logical operators and symbols - Conjunction, disjunction, conditional statements, biconditional
13	Revision, Examination & Closing	—

**SS1 MATHEMATICS SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Constructions I	- Construction of angles and triangles - Bisection of angles: $30^\circ$ , $45^\circ$ , $60^\circ$ , $90^\circ$ - Application to problem-solving
2	Constructions II	- Construction of equal angles and quadrilaterals - Locus of points equidistant from lines and points
3	Proofs of Theorems I	- Proof that sum of angles in a triangle is $180^\circ$ - Exterior angle of a triangle equals sum of opposite interior angles - Applications of theorems
4	Proofs of Theorems II (Riders)	- Deductive proofs of riders - Angles of parallel lines - Angles in polygons - Congruent triangles - Properties of parallelograms - Intercept theorem
5	Midterm Examination	—
6	Trigonometric Ratios	- Trigonometric ratios in right-angled triangles (sine, cosine, tangent) - Solving problems using trigonometric ratios
7	Midterm Break	—
8	Trigonometric Ratios of Special Angles	- Ratios for $30^\circ$ , $45^\circ$ , $60^\circ$ - Applications to solving problems
9	Application of Trigonometric Ratios	- Applications of trigonometry in real-life contexts - Sine, cosine, tangent of angles between $0^\circ$ and $360^\circ$
10	Trigonometric Ratios & Graphs	- Trigonometric ratios with respect to the unit circle - Graphs of sine, cosine, and tangent
11	Revision	—
12	Examination	—

**SS1 MATHEMATICS SCHEME OF WORK**

**THIRD TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Mensuration I	- Length of arcs of circles - Sectors and segments of a circle
2	Mensuration II	- Area of sectors and segments - Relationship between sector of circle and surface area of a cone
3	Surface Area of Solids	- Cube and cuboid - Cylinder, cone - Prism and pyramid - Using standard formulas
4	Volume of Solids	- Cube and cuboid - Cylinder, cone - Prism and pyramid - Using formulas correctly
5	Midterm Examination	—
6	Area and Volume of Frustum	- Surface area and volume of frustum of cone and pyramid - Surface area and volume of compound shapes
7	Midterm Break	—
8	Statistics I	- Collection of meaningful data - Tabulation and presentation
9	Statistics II	- Frequency distribution - Graphs: linear, bar charts, histograms
10	Statistics III	- Pie charts - Frequency polygons
11	Revision	—
12	Examination	—
13	Closing	—

## SS1 CITIZENSHIP AND HERITAGE STUDIES SCHEME OF WORK

### FIRST TERM

Week	Topic	Content Breakdown
1	Introduction to Citizenship & Heritage Studies	Meaning, scope and importance; differences between citizenship and heritage; relevance to national identity
2	Origin of Citizenship	Birth, registration, naturalization, honorary citizenship
3	Rights of Citizens	Universal human rights; constitutional rights in Nigeria; rights vs privileges
4	Duties and Obligations of Citizens	Civic responsibilities, loyalty, obedience to laws, tax payment
5	<b>Midterm Test</b>	
6	National Symbols & Their Meanings	Coat of arms, flag, anthem, pledge, currency, constitution
7	<b>Midterm Break</b>	
8	Nigerian Heritage	Cultural heritage (language, dress, festivals); historical heritage (monuments, sites)
9	Preservation of Nigerian Heritage	Role of government, communities, families in preservation
10	Threats to National Heritage	Urbanization, globalization, neglect, conflict, corruption
11-13	Revision & Exams	

**SS1 CITIZENSHIP AND HERITAGE STUDIES SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content Breakdown</b>
1	Citizenship by Law	Legal frameworks governing citizenship in Nigeria (1999 Constitution)
2	Rule of Law	Concept, importance, equality before the law
3	Democratic Values	Freedom, participation, tolerance, accountability
4	National Unity & Integration	Need, benefits, symbols, strategies to promote unity
5	<b>Midterm Test</b>	
6	Ethnic & Religious Heritage of Nigeria	Diversity of ethnic groups and religions; respect for plurality
7	<b>Midterm Break</b>	
8	Interpersonal Relations & Social Harmony	Peaceful co-existence, tolerance, conflict resolution
9	Leadership & Followership	Qualities of good leaders; duties of followers; examples from Nigerian history
10	Corruption & Its Effects on Citizenship	Meaning, forms, dangers, prevention
11–13	Revision & Exams	

**SS1 CITIZENSHIP AND HERITAGE STUDIES SCHEME OF WORK**

**THIRD TERM**

<b>Week</b>	<b>Topic</b>	<b>Content Breakdown</b>
1	Global Citizenship	Concept, rights and responsibilities, globalization
2	Citizenship Education in Other Countries	Case studies (USA, UK, Ghana, South Africa)
3	International Organizations & Citizenship	UN, AU, ECOWAS, Commonwealth
4	Protection of Human Rights	NHRC, NGOs, judiciary, international courts
5	<b>Midterm Test</b>	
6	Cultural Exchange & Tourism	Importance for heritage and economy
7	<b>Midterm Break</b>	
8	Contemporary Issues in Citizenship	Migration, digital citizenship, climate change
9	Patriotism	Meaning, importance, ways of showing patriotism
10	Civic Participation	Voting, community service, volunteering
11–13	Revision & Exams	

## SS1 DIGITAL TECHNOLOGIES SCHEME OF WORK

### FIRST TERM

Week	Topic	Content Breakdown
1	Introduction to Digital Technologies	Meaning, scope, relevance in modern society
2	History & Evolution of Digital Technologies	From abacus to AI; generations of computers
3	Number Systems	Binary, decimal, octal, hexadecimal and conversions
4	Computer Hardware	Input/output devices, storage, system vs peripheral devices
5	<b>Midterm Test</b>	
6	Computer Software	System software, application software, utility programs
7	<b>Midterm Break</b>	
8	Operating Systems	Functions, types, examples
9	Computer Maintenance & Safety	Preventive care, health & safety measures
10	Data Representation	Bits, bytes, ASCII, Unicode, images, sound
11–13	Revision & Exams	

## SS1 DIGITAL TECHNOLOGIES SCHEME OF WORK

### SECOND TERM

Week	Topic	Content Breakdown
1	Computer Networks	LAN, WAN, MAN; components of networks
2	Internet Technologies	Internet services, search engines, browsers
3	Email & Online Communication	Email etiquette, instant messaging, conferencing
4	Digital Storage & Cloud Computing	Types of storage, advantages of cloud, data backup
5	<b>Midterm Test</b>	
6	Cybersecurity I	Meaning, importance, threats (malware, phishing, hacking)
7	<b>Midterm Break</b>	
8	Cybersecurity II	Protection methods – antivirus, firewalls, strong passwords
9	Data Privacy & Digital Ethics	Responsible use, cyberbullying, data protection laws
10	Social Media Technologies	Benefits, risks, responsible digital citizenship
11–13	Revision & Exams	

## SS1 DIGITAL TECHNOLOGIES SCHEME OF WORK

### THIRD TERM

Week	Topic	Content Breakdown
1	Word Processing Applications	Microsoft Word/Google Docs: features, formatting
2	Spreadsheet Applications I	Introduction, basic formulas, cell referencing
3	Spreadsheet Applications II	Functions, charts, data analysis
4	Presentation Software	PowerPoint/Google Slides: slide creation, animations
5	<b>Midterm Test</b>	
6	Database Introduction	Concept of database, DBMS, tables, records, fields
7	<b>Midterm Break</b>	
8	Practical Database Management	Creating simple databases, queries, reports
9	Emerging Technologies I	Artificial Intelligence, Internet of Things
10	Emerging Technologies II	Robotics, Virtual Reality, Augmented Reality
11-13	Revision & Exams	

## SS1 BIOLOGY SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Recognizing Living Things	Characteristics and differences between living and non-living things
2	Classification of Living Things	Importance of classification, levels of classification
3	Kingdoms of Living Things	Monera, Protista, Fungi, Plantae, Animalia
4	The Cell	Structure, types, and functions of cell organelles
5	Midterm Examination	–
6	Cell and Its Environment	Diffusion, osmosis, active transport
7	Midterm Break	–
8	Properties and Functions of the Cell	Nutrition, respiration, growth, irritability
9	Respiration	Aerobic and anaerobic respiration
10	Growth and Irritability	Meaning, processes, importance of growth and response to stimuli
11	Revision	–
12	Examination	–
13	Closing	–

**SS1 BIOLOGY SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Tissue and Supporting System	Types of tissues in plants and animals
2	Nutrition	Types of nutrition, autotrophic and heterotrophic
3	Basic Ecological Concepts	Habitat, ecosystem, ecological factors
4	Population Studies	Population density, size, growth, and regulation
5	Midterm Examination	–
6	Functioning Ecosystem	Autotrophy, heterotrophy, food webs, trophic levels
7	Midterm Break	–
8	Energy Transformation in Nature	Energy flow, pyramid of energy, productivity
9	Relevance of Biology to Agriculture	Application of biological principles in agriculture
10	Micro-Organisms Around Us	Types, characteristics, and importance
11	Revision	–
12	Examination	–
13	Closing	–

**SS1 BIOLOGY SCHEME OF WORK**

**THIRD TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Micro-Organisms in Action	Roles in fermentation, decay, food spoilage, and diseases
2	Towards Better Health	Hygiene, sanitation, vaccination, disease prevention
3	Habitat	Meaning, types, and examples
4	Aquatic Habitat	Estuarine and freshwater habitats
5	Midterm Examination	–
6	Terrestrial Habitat	Types and features
7	Midterm Break	–
8	Grassland Habitat	Features, adaptations of organisms
9	Reproduction in Unicellular Organisms and Invertebrates I	Binary fission, budding, spore formation
10	Reproduction in Unicellular Organisms and Invertebrates II	Sexual and asexual reproduction in invertebrates
11	Revision	–
12	Examination	–
13	Closing	–

## SS1 CHEMISTRY SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Introduction to Chemistry	Definition, history, branches, and importance of chemistry
2	Chemical Industries and Laboratory Apparatus	Common laboratory apparatus and their uses
3	Nature of Matter	States of matter, properties, and changes of state
4	Separation Techniques	Filtration, distillation, sublimation, chromatography
5	Midterm Examination	–
6	Atomic Structure	Structure of the atom; Subatomic particles
7	Midterm Break	–
8	Periodic Table	Groups, periods, and periodicity
9	Chemical Combination	Laws of chemical combination
10	Acids, Bases, and Salts	Definitions, examples, properties; pH scale; Neutralization
11	Chemical Symbols, Formulae, and Equations	Writing symbols, formulae; Balancing equations
12	Examination	–
13	Closing	–

## SS1 CHEMISTRY SCHEME OF WORK

### SECOND TERM

Week	Topic	Content
1	Quantitative and Qualitative Analysis (Introduction)	Basic concepts
2	Mole Concept and Stoichiometry	Mole, molar mass, Avogadro's number
3	Percentage Composition and Empirical Formula	Calculations of composition and empirical formula
4	Gas Laws	Boyle's law, Charles' law, Ideal gas equation
5	Midterm Examination	–
6	Structure of the Atom and Electronic Configuration	Bohr's model; Electronic configurations
7	Midterm Break	–
8	Ionic and Covalent Bonding	Formation and properties
9	Oxidation and Reduction	Definitions, examples, redox reactions
10	Water and Solution	Properties, types of solutions, solubility
11	Solubility and Crystallization	Saturated solutions; Solubility curves
12	Examination	–
13	Closing	–

## SS1 CHEMISTRY SCHEME OF WORK

### THIRD TERM

Week	Topic	Content
1	Introduction to Organic Chemistry	Characteristics of organic compounds
2	Alkanes, Alkenes, and Alkynes	Structures, properties, and examples
3	Isomerism	Structural and geometric isomerism
4	Petroleum and Petrochemicals	Refining, fractional distillation of petroleum
5	Midterm Examination	–
6	Chemical Reactions and Types	Combination, decomposition, displacement
7	Midterm Break	–
8	Energy Changes in Reactions	Endothermic and exothermic reactions
9	Rates of Chemical Reactions	Factors affecting reaction rates
10	Reversible Reactions and Chemical Equilibrium	Le Chatelier's principle
11	Metals and Non-Metals	Properties and uses
12	Examination	–
13	Closing	–

## SS1 PHYSICS SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Fundamentals and Derived Quantities and Units	Meaning of physical quantities, fundamental units, derived units, SI units
2	Measurements of Mass, Weight, Length and Time	Definition, instruments used, accuracy and errors in measurement
3	Position, Distance and Displacement	Concept of position, difference between distance and displacement, applications
4	Scalars and Vectors	Definitions, differences, addition and resolution of vectors
5	Midterm Examination	–
6	Speed, Velocity and Acceleration	Definitions, equations, graphical representation
7	Midterm Break	–
8	Motion	Concept of motion, types of motion, equations of uniformly accelerated motion
9	Motion (Continued)	Applications of equations of motion in real life
10	Motion (Continued)	Graphical analysis of motion, problem solving
11	Revision	–
12	Examination	–
13	Closing	–

**SS1 PHYSICS SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Linear Momentum: Newton's Laws of Motion	Newton's laws, momentum, impulse, conservation of momentum
2	Work, Energy and Power	Definitions, equations, work done in different contexts
3	Mechanical Energy: Machines	Simple machines, efficiency, mechanical advantage, velocity ratio
4	Heat Energy I: Temperature and Its Measurement	Concept of heat, temperature scales, thermometers
5	Midterm Examination	–
6	Heat Energy II: Heat Measurement	Specific heat capacity, latent heat, calorimetry
7	Midterm Break	–
8	Particulate Nature of Matter	Molecular theory, evidence of particle nature, Brownian motion
9	Particulate Nature of Matter (Continued)	Diffusion, pressure in gases, applications
10	Particulate Nature of Matter (Continued)	Real-life applications of particle theory
11	Revision	–
12	Examination	–
13	Closing	–

## SS1 PHYSICS SCHEME OF WORK

### THIRD TERM

Week	Topic	Content
1	Fluids at Rest and in Motion	Pressure in fluids, Pascal's principle, Archimedes' principle, Bernoulli's principle
2	Gas Laws	Boyle's law, Charles' law, pressure law, ideal gas equation
3	Simple Harmonic Motion	Concept, examples, characteristics, equations
4	Projectile	Concept, equations of projectile motion, range, maximum height
5	Midterm Examination	–
6	Types of Waves	Classification of waves: mechanical, electromagnetic, transverse, longitudinal
7	Midterm Break	–
8	Properties of Waves	Reflection, refraction, diffraction, interference, applications
9	Properties of Waves (Continued)	Superposition of waves, resonance
10	Properties of Waves (Continued)	Real-life applications of wave properties
11	Revision	–
12	Examination	–
13	Closing	–

## SS1 AGRICULTURAL SCIENCE SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Meaning and Importance of Agriculture	- Definition of agriculture - Importance of agriculture to individuals and the nation
2	Problems of Agricultural Development and Solutions	- Problems: land tenure, low technology, poor storage, pests and diseases - Suggested solutions
3	Subsistence and Commercial Agriculture	- Meaning - Characteristics - Differences between subsistence and commercial farming
4	Role of Government in Agricultural Development	- Agricultural programmes - Credit facilities - Extension services
5	<b>Midterm Examination</b>	—
6	Role of NGOs in Agricultural Development	- Contributions of NGOs (FAO, IFAD, etc.) - Importance of their interventions
7	<b>Midterm Break</b>	—
8	Agricultural Laws and Reforms	- Land use decree - Land tenure systems - Government reforms
9	Land and Its Uses	- Types of land use (agriculture, forestry, housing, mining) - Importance of land
10	Agricultural Ecology	- Meaning - Components of farm ecosystem - Interactions of crops and animals
11	Factors affecting Land Availability	- Factors affecting land availability for agricultural purposes
12	<b>Examination</b>	—
13	<b>Closing</b>	—

## SS1 AGRICULTURAL SCIENCE SCHEME OF WORK

### SECOND TERM

Week	Topic	Content
1	Agro-Allied Industries	- Meaning - Examples (textile, breweries, oil mills) - Relationship with agriculture
2	Environmental Factors Affecting Agriculture	- Rainfall - Temperature - Wind - Soil - Biotic factors
3	Rock Formation	- Types of rocks (igneous, sedimentary, metamorphic) - Importance to agriculture
4	Soil Formation and Profile Development	- Processes of soil formation - Soil horizons and profiles
5	<b>Midterm Examination</b>	—
6	Soil Types, Composition and Properties	- Types of soil - Physical and chemical properties - Soil texture and structure
7	<b>Midterm Break</b>	—
8	Simple Farm Tools	- Examples: hoe, cutlass, rake - Uses - Maintenance practices
9	Farm Machinery and Implements	- Examples: tractors, planters, harvesters - Functions and advantages
10	Maintenance of Farm Machinery	- Care and servicing of implements - Safety precautions
11	Problems of agricultural mechanization	- Problems of agricultural mechanization
12	<b>Examination</b>	—
13	<b>Closing</b>	—

## SS1 AGRICULTURAL SCIENCE SCHEME OF WORK

### THIRD TERM

Week	Topic	Content
1	Prospects of Agricultural Mechanisation	- Meaning of mechanisation - Benefits and limitations
2	Sources of Farm Power	- Human, animal, mechanical, electrical, solar, wind and water power
3	Classification of Crops	- Food crops - Cash crops - Annuals, biennials and perennials
4	Husbandry of Selected Crops	- Example: maize, cassava, yam - Land preparation, planting, maintenance and harvesting
5	<b>Midterm Examination</b>	—
6	Pasture and Forage Crops	- Meaning - Types - Importance in livestock production
7	<b>Midterm Break</b>	—
8	Plant Nutrients and Nutrient Cycle	- Macro and micro nutrients - Nitrogen and carbon cycles
9	Irrigation	- Definition - Types of irrigation - Importance
10	Drainage	- Meaning - Types of drainage systems - Importance
11	Agricultural Pollution	- Agricultural pollution: meaning, causes, effects and control
12	<b>Examination</b>	—
13	<b>Closing</b>	—

**SS1 FURTHER MATHEMATICS SCHEME OF WORK**

**FIRST TERM**

<b>Week</b>	<b>Topic</b>	<b>Content Breakdown</b>
1–2	Sets	Definition of sets; set notation; types of sets (null, singleton, finite, infinite); subsets; universal set; power set; set operations (union, intersection, complement); number of elements in a set; Venn diagrams and applications up to 3-set problems.
3	Indices and Logarithms	Laws of indices; applications of indices; solution of exponential equations up to quadratic form; laws of logarithms; change of base.
4	Surds	Definition of surds; rules for manipulating surds; rationalization of the denominator.
5	Midterm Examination	—
6	Linear Inequalities	Linear inequalities in one variable; linear inequalities in two variables; graphs of linear inequalities.
7	Midterm Break	—
8	Binary Operations	Definition; laws of binary operations (associative, distributive, law of complementation); identity element and inverse; multiplication table of binary operations.
9	Functions	Definition; types of functions (one-to-one, into, inverse, identity, constant, circular, logarithmic, exponential, composite); applications in problem-solving.
10	Sequence and Series	Definition of sequence and series; nth term of a sequence; nth sum of a series; arithmetic progression (AP); geometric progression (GP).
11	Revision	—
12	Examination	—

**SS1 FURTHER MATHEMATICS SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content Breakdown</b>
1–2	Trigonometric Ratios of Special Angles & Logical Reasoning	Trigonometric ratios of $30^\circ$ , $45^\circ$ , and $60^\circ$ ; applications of special angles; introduction to logical reasoning.
3	Calculating and Processing Devices	Abacus; decimal and binary systems; flow charts; application of flow charts in problem-solving.
4	The Straight Line in Coordinate Geometry	Midpoint of a line segment; gradient of a straight line; distance between two points; conditions for parallelism and perpendicularity; equation of a straight line; transforming relations into linear form; area of triangles and quadrilaterals.
5	Midterm Examination	—
6	Vectors in Two Dimensions I	Scalars and vectors; zero and negative vectors; vector addition and subtraction; scalar multiplication; magnitude and direction of a vector; unit vectors.
7	Midterm Break	—
8	Vectors in Two Dimensions II	Triangle law; parallelogram law; resolution of vectors; scalar (dot) product; applications.
9–10	Revision	—
11–12	Examination	—

**SS1 FURTHER MATHEMATICS SCHEME OF WORK**

**THIRD TERM**

<b>Week</b>	<b>Topic</b>	<b>Content Breakdown</b>
1–2	Location	Measures of central tendency: mean, mode, median, deciles, percentiles, quartiles.
3–4	Measures of Dispersion	Range, interquartile range, mean deviation, standard deviation.
5	Midterm Examination	—
6	Measures of Location	Coefficient of variation and its applications.
7	Midterm Break	—
8	History and Nature of Operations Research	Meaning and scope of operations research; models of operations research (linear programming, transportation models, assignment models).
9	Models	Practical application of linear programming, transportation (least cost, northwest corner), and assignment models.
10	Application of Models	Further applications of OR models in real-life problem-solving.
11	Revision	—
12	Examination	—

## SS1 FOOD AND NUTRITION SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Introduction to Food and Nutrition	Definition of basic terms in food and nutrition (food, nutrition, antinutrient, malnutrition, pro-vitamin, etc.); Importance of foods and nutrition; Factors affecting foods and nutrition e.g., available income, availability of food, foods in season, etc.
2	Careers in Food and Nutrition	Careers in foods and nutrition e.g., Teaching, Dietetics, Food Science and Technology, Food Engineering, Community Nutrition, Clinical Nutrition, Hotel and Catering Management.
3	Interrelationship of Food and Nutrition with Other Subjects	Relationship between food and nutrition and other subjects.
4	Foods in the Locality	Foods in the locality; Nutrients quality; Functions according to their nutrient quality.
5	Midterm Examination	–
6	Basic Food Nutrients (Carbohydrates)	Composition; Classification; Functions; Dietary deficiencies; Food sources of carbohydrates.
7	Midterm Break	–
8	Proteins	Composition; Classification; Complementary and supplementary values of protein; Functions; Dietary deficiencies; Food sources.
9	Fats and Oils	Differences between fats and oils; Classification; Functions; Dietary deficiency symptoms/diseases; Food sources.
10	Vitamins & Minerals	Vitamins – Chemical names, classifications, functions, deficiency symptoms/diseases, food sources. Minerals – Classification, functions, deficiency symptoms/diseases, food sources.
11	Water	Chemical composition, functions, food sources.
12	Revision	–
13	Examination & Closing	–

## SS1 FOOD AND NUTRITION SCHEME OF WORK

### SECOND TERM

Week	Topic	Content
1	Scientific Study of Foods	Measurements, units, and accuracy; Food weighing; Nutrient weight; Uses of scales, weights, and handy measures.
2	Effects of Heat on Nutrients	Effects of heat on carbohydrates, proteins, fats and oils, minerals, and vitamins.
3	Tests for Proteins	Foam test, Millon test, Biuret test, Coagulation test.
4	Tests for Carbohydrates, Fats, and Oils	Iodine test, Litmus test, Blotting paper test, Sudan III test, Ethanol test.
5	Midterm Examination	–
6	The Digestive System	Definition of simple metabolic processes – digestion, absorption, utilization, enzymes.
7	Midterm Break	–
8	Digestion and Absorption	Digestion process from the mouth, stomach, duodenum, small intestine or ileum.
9	Reproductive Health	Definition; Identification of female and male reproductive organs; Relationship between nutrition and reproductive health.
10	Kitchen Plans, Equipment, and Tools	Definition; Kitchen plans or layout; Factors that affect size of a kitchen; Advantages of a well-planned kitchen.
11	Kitchen Plans, Equipment, and Utensils	Factors to consider when selecting kitchen equipment/tools; Large kitchen equipment – selection and care.
12	Small or Moveable Tools/Utensils	Small or moveable utensils – selection, use, and care; Labour-saving devices.
13	Revision, Examination & Closing	–

## SS1 FOOD AND NUTRITION SCHEME OF WORK

### THIRD TERM

Week	Topic	Content
1	Cleaning Agents and Abrasives	- Definition - Types - Commercial cleaning agents - Local cleaning agents
2	Safety Habits in the Kitchen	- Causes of accidents in the kitchen - Measures to prevent falls - Measures to prevent burns and scalds
3	Measures to Prevent Cuts, Suffocation and Accidental Poisoning	- Measures to prevent cuts - Measures to prevent suffocation - Measures to prevent accidental poisoning
4	Content and Use of First Aid Box; Simple First Aid Treatment	- Definition - Content and use of a first aid box - Simple first aid treatment for cuts, burns and scalds
5	<b>Midterm Examination</b>	—
6	Hygiene: Personal Hygiene	- Definition - Personal hygiene - Rules for personal hygiene of the food handler
7	<b>Midterm Break</b>	—
8	Food and Kitchen Hygiene	- Definition - Rules of kitchen hygiene - Definition - Rules of food hygiene
9	Waste and Refuse Disposal	- Methods of waste disposal - Use of refuse bins and bags - Use and care of bins - Pests and pest control
10	Food Borne Diseases	- Food poisoning - Food infection - Prevention of food borne diseases - Food sanitation laws
11	ICPC	- Misappropriate execution of family food budgets
12	Examination	
13	Closing	—

## SS1 GEOGRAPHY SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Introduction to Geography	Meaning, nature, scope, and value of geography
2	The Earth and Other Planets	Characteristics of the Earth, comparison with other planets
3	Earth's Rotation and Revolution	Rotation: effects; Revolution: seasons, solstices, equinoxes
4	Latitudes and Longitudes	Definitions, uses in location and time calculation
5	Midterm Examination	–
6	The Earth's Structure	Layers: crust, mantle, core – composition and importance
7	Midterm Break	–
8	Rocks	Types of rocks: igneous, sedimentary, metamorphic; formation and importance
9	Town/Village	Characteristics, similarities and differences
10	The Local Government Area (LGA)	Definition, functions, importance in geography
11	Revision	–
12	Examination	–
13	Closing	–

**SS1 GEOGRAPHY SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Mountains	Types: block, fold, volcanic; formation and importance
2	Lowlands	Types, examples in Nigeria and West Africa, importance
3	The Environment	Meaning, components (physical and human), interactions
4	Weather	Meaning, elements of weather, instruments for measurement
5	Midterm Examination	–
6	Climate I	Meaning, elements, factors influencing climate
7	Midterm Break	–
8	Nigeria: Location and Position	Latitudinal and longitudinal extent, boundaries, neighbours
9	Physical Setting of Nigeria	Relief, drainage, vegetation zones
10	–	–
11	Revision	–
12	Examination	–
13	Closing	–

**SS1 GEOGRAPHY SCHEME OF WORK**

**THIRD TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Population of Nigeria	Size, distribution, density, factors influencing population
2	Resources of Nigeria	Types: human and natural; distribution and importance
3	Basic Concepts in Map Reading	Scale, direction, symbols, conventional signs
4	Map Distances	Methods of measuring distances on maps
5	Midterm Examination	–
6	Map Reduction and Enlargement	Techniques, practical exercises
7	Midterm Break	–
8	Interpretation of Physical and Cultural Features	Relief, drainage, settlement, transport features
9	Transportation	Modes: road, rail, water, air; importance and problems
10	–	–
11	Revision	–
12	Examination	–
13	Closing	–

## SS1 TECHNICAL DRAWING SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Introduction to Technical Drawing	Meaning of technical drawing; Career opportunities requiring technical drawing skills; Specific uses of various drawing materials
2	Safe Working Habits	Practice of good and safe working habits in technical drawing
3	Board Practice	Fixing drawing sheet to the drawing board; Sharpening pencil into conical shape using sandpaper; Drawing borderlines and title block
4	Lines (Types of Lines)	Identification of various types of lines and their applications; Drawing different line types correctly; Differentiating between perpendicular and parallel lines
5	Midterm Examination	–
6	Lettering and Numbering	Distinction between upper and lower case letters; Writing numbers 0–9 correctly
7	Midterm Break	–
8	Plane Geometry – Division of Line	Bisection of given lines; Trisection of lines; Dividing a given line into a number of equal parts; Dividing a line into given ratios and proportions
9	Circles	Types of circles; Identification of parts and properties of circles; Division of circles into equal parts; Recognition of circular objects around us
10	Angles – Construction and Measurement	Comprehending vertical walls forming angular relation with the ground; Recognizing angles in terms of rotation; Classification and description of angles; Relating angles to shapes; Ordering angles greater or less than a right angle
11	Triangles	Identification of roof truss of a building with low ridge roof; Labeling and explaining parts of triangles; Description of types of triangles; Construction of triangles; Inscribed, circumscribed and ascribed circles of triangles; Differentiation among inscribed, circumscribed and ascribed circles
12	Quadrilaterals	Description of quadrilaterals and their properties; Recognition of quadrilaterals in classroom objects; Construction of different quadrilaterals
13	Revision, Examination and Closing	General revision and end of term examination

## SS1 TECHNICAL DRAWING SCHEME OF WORK

### SECOND TERM

Week	Topic	Content
1	Introduction to Polygons – Properties and Construction of Polygons	Recognition of polygon-shaped sign boards on roads; Differentiation between types of polygons; Construction of regular and irregular polygons of different sizes using various methods
2	Introduction to Polygons (Continued)	Further recognition and classification of polygons; Advanced construction of polygons with compass and ruler
3	Introduction to Polygons (Continued)	Exercises on properties of polygons; Practical construction of polygons of various sizes
4	Scales	Meaning and uses of scales; Types of scales (plain, diagonal, RF); Distinguishing between plain and diagonal scales; Placing dimensions on objects using scales; Reading and interpreting scales
5	Midterm Examination	–
6	Enlargement and Reduction of Plane Figures	Applications of enlargement and reduction; Enlargement and reduction of plane figures using ratios of areas; Reproduction of plane figures to a given scale
7	Midterm Break	–
8	Equal Areas of Similar Figures	Principles of determining equal areas; Conversion of one plane figure to another of equal area by construction; Determining areas graphically
9	Equal Areas of Similar Figures (Continued)	More exercises on equal area conversion; Advanced graphical methods of determining areas
10	Tangents and Tangency – Properties and Construction	Relationships between centers, normals and tangents; Principles and applications of tangency; Construction of tangents to a circle from a point outside; Tangents to equal and unequal circles; Practical applications
11	Revision	General revision of term's work
12	Examination	End of term examination

## SS1 TECHNICAL DRAWING SCHEME OF WORK

### THIRD TERM

Week	Topic	Content
1	Loci, Parabola, Hyperbola, Ellipse	Identification and explanation of types of loci; Construction of loci; Plotting and tracing loci of given points; Loci in simple crank mechanism
2	Loci, Parabola, Hyperbola, Ellipse (Continued)	Further construction of loci; Exercises on parabola, hyperbola, ellipse; Applications in engineering and design
3	Loci, Parabola, Hyperbola, Ellipse (Continued)	Advanced plotting of loci; Problem-solving applications involving mechanisms
4	Prisms	Description and properties of prisms; Identification of real objects shaped like prisms (cube, maths set, etc.); Construction of various types of prisms; Cardboard model production of prisms
5	Midterm Examination	
6	Pyramids and Cones	Description of pyramids and cones; Identification of objects shaped like pyramids and cones (funnels, buckets, etc.); Construction of pyramids and cones; Cardboard model production
7	Midterm Break	–
8	Surface Development	Principles and importance of surface development; Construction of surface development of frustum of solids, right and oblique solids
9	Surface Development (Continued)	Advanced exercises on surface development of solids; Practical applications in packaging and metal works
10	Dimensioning	Measurement of classroom objects (bench, door, blackboard, etc.); Principles and rules guiding dimensioning; Applications with illustrations
11	Construction of Isometric	Explanation of isometric drawing and axis; Drawing blocks involving lines, arcs and circles; Techniques of isometric circles; Visualization of cubes with circles/curves; Drawing isometric cube showing ellipse
12	Examination	End of term examination
13	Closing	End of term activities and vacation

## SS1 NIGERIAN HISTORY SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Introduction to History	Meaning and scope of History; Importance and relevance of History in nation-building
2	Why We Teach History	Educational, moral, political, and social values of studying History
3	Sources of History I	Oral tradition, written sources, archaeology, linguistics, and material remains
4	Sources of History II and Dating	Determining historical time – calendar systems, radiocarbon dating, genealogical methods
5	Midterm Test	—
6	Historical Skills	Ancient and modern approaches to historical analysis; critical thinking, evaluation of evidence
7	Midterm Break	—
8	Prospects of ICT in Historical Studies	Use of ICT in data collection, storage, and presentation of historical facts
9	Land and Peoples of Nigeria	Geographical and ethnic diversity; location, climate, vegetation, and major ethnic groups
10	Traditions of Origin and Historical Links	Myths, legends, and oral accounts of the origins of major Nigerian groups
11	Revision	Review of all topics covered in the term
12	Examination	—
13	Closing	—

## SS1 NIGERIAN HISTORY SCHEME OF WORK

### SECOND TERM

Week	Topic	Content
1	Early Centres of Civilization in Nigeria	Nok culture, Igbo-Ukwu, Ife, and Benin civilizations; archaeological findings and significance
2	State Formation Process I	Concept of centralized and non-centralized states; political organization
3	Centralized States I	Kanem and Bornu to 1800 – political organization, trade, and religion
4	Centralized States II	Hausa States to 1800 – city-states, economy, and leadership
5	Midterm Test	—
6	Centralized States III	Nupe, Jukun, Ife, Oyo, Benin, and Efik – origins, administration, and achievements
7	Midterm Break	—
8	Non-Centralized States I	Tiv, Idoma, Igbo, Ibibio, Ijaw – social and political organization
9	Non-Centralized States II	Aspects of their history and inter-group interactions
10	Inter-group Relations I	Economic activities and trade between groups; cultural exchanges
11	Revision	Review of major civilizations and inter-group relations
12	Examination	—
13	Closing	—

## SS1 NIGERIAN HISTORY SCHEME OF WORK

### THIRD TERM

Week	Topic	Content
1	Inter-group Relations II	The impact of migrations, wars, and politics on inter-group relations
2	Indigenous Technology and Industries	Iron smelting, weaving, pottery, carving, and blacksmithing
3	Early External Influences	Contact with North African trade and introduction of Islam
4	The Trans-Saharan Trade	Routes, goods exchanged, and impact on Nigerian societies
5	Midterm Test	—
6	Islam in Kanem-Bornu and Hausa Land	Spread, influence, and contributions to governance and education
7	Midterm Break	—
8	Early European Contacts	Arrival of the Portuguese and other Europeans; trade, exploration, and missionary activities
9	Trans-Atlantic Slave Trade I	Origin and organization of the Atlantic slave trade
10	Trans-Atlantic Slave Trade II	Effects of the slave trade on African societies and economies
11	Revision	Comprehensive review of the session's work
12	Examination	—
13	Closing	—

## SS1 GOVERNMENT SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Meaning, Nature and Scope of Government	Definition of government; nature and scope; importance of government
2	Basic Concepts of Government	Power, authority, legitimacy, sovereignty
3	Basic Principles of Government	Rule of law, separation of powers, checks and balances
4	Types and Characteristics of Government	Unitary, federal, confederal systems; features, merits, and demerits
5	Midterm Examination	–
6	Systems of Government	Parliamentary and presidential systems; features, merits, and demerits
7	Midterm Break	–
8	Political Ideologies	Capitalism, socialism, communism, fascism – meaning, features, and applications
9	Constitution	Meaning, sources, features, types, and importance
10	Rule of Law and its Limitations	Meaning of rule of law; limitations in practice
11	Revision	–
12	Examination	–
13	Closing	–

## SS1 GOVERNMENT SCHEME OF WORK

### SECOND TERM

Week	Topic	Content
1	Separation of Powers and Its Application	Meaning and application in presidential and parliamentary systems
2	Delegated Legislation	Meaning, reasons for, types, merits, and demerits
3	Citizenship	Meaning, acquisition, rights, duties, and obligations
4	Process of Political Socialisation	Meaning, agents, and importance of political socialisation
5	Midterm Examination	–
6	Political Participation	Forms, importance, and limitations of political participation
7	Midterm Break	–
8	Public Opinion	Meaning, formation, measurement, importance, and limitations
9	Political Parties	Definition, types, functions, and importance
10	Party System	One-party, two-party, and multi-party systems; merits and demerits
11	Revision	–
12	Examination	–
13	Closing	–

## SS1 GOVERNMENT SCHEME OF WORK

### THIRD TERM

Week	Topic	Content
1	Pressure Groups	Meaning, types, functions, similarities and differences with political parties
2	Public Administration	Meaning, features, importance, and functions
3	Civil Service	Meaning, characteristics, structure, roles, and problems
4	Local Government	Meaning, features, functions, sources of revenue, challenges
5	Midterm Examination	–
6	Pre-Colonial Administration in Nigeria	Hausa/Fulani, Yoruba, and Igbo systems of administration
7	Midterm Break	–
8	Colonial Administration in Nigeria	Features, structures, merits, and demerits
9	Nationalism in Nigeria	Meaning, factors, roles of individuals and groups, effects
10	–	–
11	Revision	–
12	Examination	–
13	Closing	–

**SS1 CHRISTIAN RELIGIOUS STUDIES SCHEME OF WORK**

**FIRST TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Jesus as the Lamb, the Door, and the Good Shepherd I	Jesus as the Lamb (John 1:29, 36), the Door (John 10:7-9), the Good Shepherd (John 10:11-15)
2	Jesus as the Lamb, the Door, and the Good Shepherd II	Further teachings and applications of Jesus as Lamb, Door, Shepherd
3	Jesus the Light of the World	John 8:12, 9:5 – meaning and significance
4	Jesus as the True Vine	John 15:1-11 – importance of abiding in Christ
5	Midterm Examination	–
6	Jesus as the Living Bread and Water	John 6:25-40; 4:7-15 – Christ as sustainer of life
7	Midterm Break	–
8	God's Love for Man	John 3:16, Romans 5:8
9	God's Love for One Another	1 John 4:7-12
10	Justification by Faith	Romans 5:1-5; Galatians 2:16
11	Revision	–
12	Examination	–
13	Closing	–

**SS1 CHRISTIAN RELIGIOUS STUDIES SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	New Life in Christ	2 Corinthians 5:17; Romans 6:1–11
2	Sonship	John 1:12, Romans 8:14–17
3	Faith and Work	James 2:14–26
4	The Fruit of the Spirit	Galatians 5:22–23
5	Midterm Examination	–
6	Spiritual Gifts	1 Corinthians 12:4–11
7	Midterm Break	–
8	Forgiveness	Matthew 6:14–15; Luke 17:3–4
9	Humility	Philippians 2:3–8
10	–	–
11	Revision	–
12	Examination	–
13	Closing	–

**SS1 CHRISTIAN RELIGIOUS STUDIES SCHEME OF WORK**

**THIRD TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Effective Prayer	Matthew 6:5–15, Luke 18:1–8
2	Living a Life of Witnessing to Christ I	Acts 1:8, Matthew 28:18–20
3	Living a Life of Witnessing to Christ II	Practical examples of witnessing through lifestyle
4	Christians' Attitudes Towards Persecution	Matthew 5:10–12; Acts 7:54–60
5	Midterm Examination	–
6	Impartiality	James 2:1–9
7	Midterm Break	–
8	Resurrection and the Second Coming of Jesus Christ I	1 Corinthians 15:12–23; 1 Thessalonians 4:13–18
9	Resurrection and the Second Coming of Jesus Christ II	Revelation 21:1–8; Matthew 24
10	The Sovereignty of God	Romans 9:14–24, Psalm 115:3
11	Revision	–
12	Examination	–
13	Closing	–

## SS1 VISUAL ARTS SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Introduction to Visual Arts I	- Meaning of visual arts: consciously created through expression of skill or imagination - Visual arts as making skillful use of materials for human use and pleasure - Classification of visual arts: Fine Arts (Drawing, Painting, Sculpture); Applied Arts (Graphics, Textile, Ceramics)
2	Introduction to Visual Arts II	- Functions of visual arts: Utilitarian (teacups, clothes, posters); Aesthetic (painting, sculpture); Religious (idols, masks, divination tray); Political (stools, symbols); Educational role of art
3	Visual Sense	- Dynamics of basic shapes in objects (e.g. cylinder in bottle) - Colour reflections and mixtures - Uniqueness of surface likeness (texture) - Nuances of colour mixture on objects
4	Professions and Job Opportunities in Visual Arts	- Professions: graphic designer, video editor, cartoonist, textile designer, painter, sculptor, ceramicist, photographer, cultural officer, medical illustrator, investigative illustrator
5	Midterm Examination	—
6	Drawing Lines	- Concept of lines - Types: vertical, horizontal, diagonal, wavy, spiral, zig-zag - Qualities: thick, thin, heavy, light, rigid, flexible - Lines as patterns in nature
7	Midterm Break	—
8	Drawing Nature and Man-Made Objects	- Woodland (trees without leaves) - Animal patterns (zebra, skeletons, veins in leaves) - Lines as patterns in man-made objects (railway lines, bridges, fences, steel frameworks)
9	Drawing and Shading	- Eye and hand coordination - Imitative drawing - Shading techniques: cross-hatching, pointillism, blurring, hatching
10	Drawing Still Life Objects	- Composition of inanimate objects - Perspective in object drawing - Texture and tone in natural objects (flowers, rocks, fruits, vegetables, insects, fish)
11	Drawing the Human Figure	- Life drawing composition - Proportion - Tonality
12	Introduction to Art Appreciation	- Analysis and evaluation of works of art - Elements and principles of design - Composition and harmony - Significance of pictorial elements - Art terminologies: appliqué, balance, bas-relief, calligraphy, cartoon, motif, silhouette, cire perdue

13	Revision, Examination & Closing	—
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## SS1 VISUAL ARTS SCHEME OF WORK

### SECOND TERM

Week	Topic	Content
1	Introduction to Graphics I	- Block lettering and calligraphic lettering - Spacing, formation, streamlining, loops, curves, ascenders, descenders - Skill and craftsmanship
2	Introduction to Graphics II	- Elements of design: line, texture, colour, size, value, shape - Principles of design: balance, contrast, proportion, variety, gradation, harmony
3	Forms of Graphic Advertisement I	- Types: newspapers, posters, handbills, invitation cards, book covers
4	Forms of Graphic Advertisement II	- CD jackets, banners - Features: suitable design, legibility, communication, technical proficiency, colour distribution, harmony, symbolism
5	Midterm Examination	—
6	Introduction to Computer Graphics	- Computer hardware: monitor, system unit, printer, keyboard, mouse - Computer software: instructions for operation (CorelDraw, Harvard Graphics, Photoshop)
7	Midterm Break	—
8	Computer Graphics II	- Basic mouse techniques: pointing, clicking, double-clicking, dragging
9	Textile Designs I	- Motif: single unit of design - Repeat patterns: block, half drop, mirror, ogee, brick, diamond
10	Textile Designs II	- Printed textile design - Printing techniques: block, lino cut, woodcut, yarn cut, screen printing
11	Terminologies in 2-Dimensional Art	- Terms: vanishing point, medium, chiaroscuro, foreshortening, aerial view, repeat motif, picture plane
12	Terminologies in 3-Dimensional Art	- Terms: terra-cotta, sculpture in the round, greenware, leather hard, maquette, relief
13	Revision, Examination & Closing	—

## SS1 VISUAL ARTS SCHEME OF WORK

### THIRD TERM

Week	Topic	Content
1	Introduction to Modelling I	- Meaning of modelling - Basic concepts of form building - Clay as a modelling material
2	Introduction to Modelling II	- Types of clay: primary clay, secondary clay - Properties of clay: pliability, plasticity, porosity
3	Introduction to Modelling III	- Ceramic tools and equipment - Methods of moulding: coiling, slabbing, pinching
4	Introduction to Modelling IV	- Processes of drying and firing clay works - Finishing techniques
5	Midterm Examination	—
6	Historical Foundation of Nigerian Arts I	- General overview (200 BC – 1900 AD) - Nok art
7	Midterm Break	—
8	Historical Foundation of Nigerian Arts II	- Igbo-Ukwu art - Ife art: terracotta, bronze works, quartz carving
9	Historical Foundation of Nigerian Arts III	- Benin art: bronze works, ivory carving - Owo terracotta - Tsoede bronze
10	Historical Foundation of Nigerian Arts IV	- Esie soapstone - Wood carving: Ekpo mask of the Ibibios and Annangs - Alok monoliths (Ikom, Cross River State)
11	Museums and Art I	- Definition of museum: institution/building where valuable objects are preserved and displayed - Definition of art gallery: a place for exhibiting and sometimes selling artworks
12	Museums and Art II	- History of museums in Nigeria - Types of museums: Natural History Museum (Ife), War Museum (Umuahia), Museum of Nigerian Traditional Architecture (Jos)
13	Revision, Examination & Closing	—

THE WEST AFRICAN EXAMINATIONS COUNCIL  
TEST DEVELOPMENT DIVISION, PLOT 16/18 IJAIYE ROAD, OGBA  
PRIVATE MAIL BAG NO. 1076, YABA, LAGOS

HARMONIZED LIST OF LITERATURE-IN-ENGLISH TEXTS FOR THE WEST AFRICAN  
SENIOR SCHOOL CERTIFICATE EXAMINATION (WASSCE) 2026-2030

TYPE OF TEXT	SELECTED TEXT
SHAKESPEAREAN TEXT	Antony and Cleopatra
AFRICAN PROSE	1. Pede Hollist : <i>So the Path Does not Die</i> 2. Elma Shaw : <i>Redemption Road</i>
NON-AFRICAN PROSE	1. Harper Lee : <i>To Kill a Mocking Bird</i> 2. Susanne Bellefeuille : <i>Path of Lucas: The Journey He Endured</i>
AFRICAN DRAMA	1. Bosede Ademilua-Afolayan : <i>Once Upon an Elephant</i> 2. Efua Sutherland : <i>The Marriage of Anansewa</i>
NON-AFRICAN DRAMA	1. J. D. Priestley : <i>An Inspector Calls</i> 2. Robert Bolt : <i>A Man for all Seasons</i>
AFRICAN POETRY	1. Gabriel Okara : <i>Once Upon a Time</i> 2. Elizabeth L. A. Kamara : <i>New Tongue</i> 3. Wole Soyinka : <i>Night</i> 4. Niyi Osundare : <i>Not my Business</i> 5. S.O.H. Afriyie-Vidza : <i>Hearty Garlands</i> 6. Syl Cheney-Coker : <i>The Breast of The Sea</i>
NON-AFRICAN POETRY	1. Lord Byron : <i>She Walks in Beauty</i> 2. Geoffrey Chaucer : <i>The Nun's Priest's Tale (shortened)</i> 3. Seamus Heaney : <i>Digging</i> 4. Maya Angelou : <i>Still I Rise</i> 5. Fleur Adcock : <i>The Telephone Call</i> 6. Wilfred Wilson Gipson : <i>The Stone</i>

## SS1 LITERATURE-IN-ENGLISH SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Introduction to Literature	- Definition of Literature - Functions of Literature - Importance of studying Literature
2	Literary Appreciation	- Meaning of Literary Appreciation - Elements of Literary Appreciation: Theme, Plot, Setting, Style, Tone, Mood
3	Literary Devices I	- Meaning and examples of Figures of Speech: Simile, Metaphor, Irony, Personification, Oxymoron
4	Literary Devices II	- Additional Figures of Speech: Euphemism, Alliteration, Hyperbole, Allusion, Assonance, Paradox, Repetition
5	Midterm Examination	—
6	Genres/Branches of Literature	- Overview of the three genres of Literature: Prose, Poetry, Drama - Structural features of each genre
7	Midterm Break	—
8	Shakespearean Text: Antony and Cleopatra I	- Background of William Shakespeare - Background and setting of Antony and Cleopatra - Plot summary (Acts I–II)
9	Shakespearean Text: Antony and Cleopatra II	- Plot summary (Acts III–V) - Themes and characterization
10	Shakespearean Text: Antony and Cleopatra III	- Language and style - Imagery and dramatic techniques - Relevance to modern society
11	Revision	Review of all topics and texts (Weeks 1–10)
12	Examination	—
13	Closing	—

**SS1 LITERATURE-IN-ENGLISH SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Introduction to African Drama	- Features of African Drama - Oral tradition and cultural elements in African plays
2	<b>African Drama: Bosede Ademilua-Afolayan's <i>Once Upon an Elephant I</i></b>	- Background of the playwright - Background of the text - Setting and summary of Act One
3	<b>African Drama: <i>Once Upon an Elephant II</i></b>	- Plot summary (Act Two) - Themes and characterization
4	<b>African Drama: Efua Sutherland's <i>The Marriage of Anansewa I</i></b>	- Background of the playwright - Background of the text - Plot summary and analysis of Act One
5	<b>Midterm Examination</b>	—
6	<b>African Drama: <i>The Marriage of Anansewa II</i></b>	- Themes, style, and characterization - Cultural values and moral lessons
7	<b>Midterm Break</b>	—
8	<b>Non-African Drama: J. D. Priestley's <i>An Inspector Calls I</i></b>	- Background of the playwright - Historical context - Setting and summary (Acts I–II)
9	<b>Non-African Drama: <i>An Inspector Calls II</i></b>	- Themes, style, and characterization - Social commentary and moral implications
10	<b>Non-African Drama: Robert Bolt's <i>A Man for All Seasons</i></b>	- Background of the playwright - Themes of integrity, conscience, and power
11	<b>Revision</b>	Review of all topics and plays (Weeks 1–10)
12	<b>Examination</b>	—
13	<b>Closing</b>	—

**SS1 LITERATURE-IN-ENGLISH SCHEME OF WORK**

**THIRD TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Introduction to Prose	- Features of prose - Elements: Plot, Setting, Characterization, Theme, Point of View
2	<b>African Prose: Pede Hollist's <i>So the Path Does Not Die I</i></b>	- Background of the author - Setting and plot summary (Chapters 1–4)
3	<b>African Prose: <i>So the Path Does Not Die II</i></b>	- Themes, style, and characterization - Socio-cultural issues in the text
4	<b>Non-African Prose: Harper Lee's <i>To Kill a Mockingbird I</i></b>	- Background of the author - Plot summary (Chapters 1–5) - Setting and tone
5	<b>Midterm Examination</b>	—
6	<b>Non-African Prose: <i>To Kill a Mockingbird II</i></b>	- Themes of justice, racism, and innocence - Character analysis and style
7	<b>Midterm Break</b>	—
8	<b>African Poetry I</b>	- <i>Gabriel Okara – “Once Upon a Time”</i> - <i>Niyi Osundare – “Not My Business”</i> - Themes, tone, and poetic devices
9	<b>African Poetry II</b>	- <i>Wole Soyinka – “Night”</i> - <i>Syl Cheney-Coker – “The Breast of the Sea”</i> - Imagery, symbolism, and structure
10	<b>Non-African Poetry</b>	- <i>Maya Angelou – “Still I Rise”</i> - <i>Lord Byron – “She Walks in Beauty”</i> - Themes, diction, and moral lessons
11	<b>Revision</b>	Review of all prose, drama, and poetry texts
12	<b>Examination</b>	—
13	<b>Closing</b>	—



## SS1 CATERING AND CRAFT PRACTICE SCHEME OF WORK

### FIRST TERM

Week	Topic	Content Breakdown
1	Introduction to Catering Craft	Origin of catering craft; Careers in catering craft.
2	Hospitality Industry in Catering	Definition of hospitality industry; Relationship between hospitality industry and catering trade; Classification and components of hospitality industry.
3	Importance and Characteristics of Hospitality Industry	Importance of hospitality industry; Characteristics of hospitality industry.
4	Catering Establishments I	Classification of catering establishments; Types of catering establishments.
5	Midterm Examination	—
6	Catering Establishments II	Functions of catering establishments; Hotel rating.
7	Midterm Break	—
8	Culinary Terms	Commonly used culinary terms; Glossary of culinary terms; Compilation of menu in French.
9	Safety Precautions in the Kitchen	Meaning of safety; Types and causes of accidents; Prevention and management of accidents in the kitchen.
10	First Aid in Catering	Meaning of first aid, first aider, and first aid box; Contents of first aid box; Fire control and fire equipment.
11	Sanitation and Hygiene	Meaning of sanitation; Aims and types of sanitation; Meaning and types of hygiene; Food contamination and food poisoning; Practices of personal hygiene.
12	Revision	—
13	Examination	—

## SS1 CATERING AND CRAFT PRACTICE SCHEME OF WORK

### SECOND TERM

Week	Topic	Content Breakdown
1	Revision of First Term Work / Pre-Resumption Test	General recall of first term topics; Food commodities.
2	Food Commodities I	Poultry: definition, nutritive value, preparation and uses; Meat/Game: classification, nutritive value, cuts of meat, meat dishes.
3	Food Commodities II	Fish: identification, classification, selection factors; Dairy products: types, examples, nutritive value, uses.
4	Food Commodities III	Eggs: structure, composition, nutritive value, uses in cookery, factors to consider when buying, planning and preparing egg dishes.
5	Midterm Examination	—
6	Food Commodities IV	Fruits and Vegetables: classification, examples, cooking factors, importance in diets.
7	Midterm Break	—
8	Food Commodities V	Cereals and pulses: types, factors to consider, storage. Spices and herbs: definitions, uses, factors to consider when using.
9	Principles of Cooking Methods	Principles of cooking; Types of heat transfer; Effects of heat on food nutrients; Classification of cooking methods.
10	Methods of Cooking I	Boiling, poaching, steaming, stewing: advantages and disadvantages.
11	Methods of Cooking II	Frying, baking, roasting, grilling: advantages and disadvantages.
12	Revision	—
13	Examination	—

## SS1 CATERING AND CRAFT PRACTICE SCHEME OF WORK

### THIRD TERM

Week	Topic	Content Breakdown
1	Welcome Test / Revision of Last Term's Work	Answering test questions; Recall of previous topics taught in the last term.
2	Food and Beverage Service I	Functions of food and beverage manager; Duties of restaurant manager; Responsibilities of head waiter; Functions of banquet hall waiter.
3	Personnel in Food and Beverage Area	Station waiter; Wine stewards; Junior waiter; Barman, bartender, mixologist, bar keeper; Responsibilities of each personnel.
4	Types of Food Services I	Plate service; Family service; Cafeteria service; Differences between the methods.
5	Midterm Examination	—
6	Types of Food Services II	Self-service; Guéridon service; Silver service; Distinctions and applications.
7	Midterm Break	—
8	Demonstration on Types of Food Service	Practical demonstration of plate, family, cafeteria, self, guéridon, and silver services.
9	Table Cover	Meaning of cover; Types of cover; Laying the table; Table wares required for different covers.
10	Napkin Folding	Meaning of napkin folding; Types and styles of napkin folds; Methods of folding napkins.
11	Demonstration of Napkin Folds and Placement of Table Wares	Practical demonstration of napkin folding; Placement of table wares alongside folded napkins.
12	Revision	General review of the third term's topics.
13	Examination	—

## SS1 FINANCIAL ACCOUNTING SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Book-Keeping and Accounting	Meaning of book-keeping; Difference between book-keeping and accounting; Importance of accounting
2	Ethics of Accounting	Accounting ethics; Professional conduct; Confidentiality, transparency, integrity
3	Principles of Double Entry (Part 1)	Meaning of double entry; Debit and credit principles
4	Principles of Double Entry (Part 2)	Application of double entry in accounts
5	Midterm Examination	–
6	Accounting Concepts (Part 1)	Meaning of accounting concepts; Going concern, accrual, materiality
7	Midterm Break	–
8	Accounting Concepts (Part 2)	Consistency, dual aspect, prudence
9	General Journal	Meaning, features, and uses; Simple journal entries
10	Analytical Cash Book	Meaning, format, and preparation of analytical cash book
11	Revision	–
12	Examination	–
13	Closing	–

**SS1 FINANCIAL ACCOUNTING SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Bank Reconciliation Statement (Part 1)	Concept, causes of differences between cash book and bank statement
2	Bank Reconciliation Statement (Part 2)	Procedure and preparation of bank reconciliation
3	Classification of Accounts	Personal, real, and nominal accounts; Rules of debit and credit
4	Trial Balance (Part 1)	Meaning and structure of trial balance
5	Midterm Examination	–
6	Correction of Errors (Part 2)	Types of errors: errors of omission, commission, principle, compensating, etc.; Treatment
7	Midterm Break	–
8	Trading Account	Meaning, format, and preparation
9	Profit and Loss Account	Meaning, format, and preparation
10	Adjustments in Profit and Loss Account	Closing stock, prepayments, accruals, depreciation, provisions
11	Revision	–
12	Examination	–
13	Closing	–

## SS1 FINANCIAL ACCOUNTING SCHEME OF WORK

### THIRD TERM

Week	Topic	Content
1	Balance Sheet (Part 1)	Meaning and structure of balance sheet
2	Balance Sheet (Part 2)	Preparation and classification into assets and liabilities
3	Sales Ledger Control Account	Meaning, preparation of total debtors control account
4	Purchases Ledger Control Account	Meaning, preparation of total creditors control account
5	Midterm Examination	–
6	Depreciation	Meaning, causes, and methods of providing for depreciation
7	Midterm Break	–
8	Depreciation (Reducing Balance Method)	Reducing balance / written down value method explained and applied
9	Manufacturing Account	Meaning, format, and preparation of manufacturing account
10	–	–
11	Revision	–
12	Examination	–
13	Closing	–

## SS1 COMMERCE SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Introduction: Meaning of Commerce	Definition, scope, and importance of commerce
2	History of Commerce	Origin and development of commerce locally and globally
3	Meaning of Occupation	Types of occupation: industrial, commercial, services
4	Production, Division of Labour, Specialization and Exchange I	Meaning of production, forms of production, concept of division of labour, specialization
5	Midterm Examination	–
6	Production, Division of Labour, Specialization and Exchange II	Advantages and disadvantages of division of labour and specialization; role of exchange
7	Midterm Break	–
8	Trade	Meaning, types, and importance of trade
9	Home Trade	Meaning, features, advantages, limitations
10	Foreign Trade	Meaning, features, merits and demerits of foreign trade
11	Revision	–
12	Examination	–
13	Closing	–

**SS1 COMMERCE SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Commodity Exchange I	Meaning, functions, and examples of commodity exchange
2	Commodity Exchange II	Advantages, disadvantages, and importance of commodity exchange
3	Sole Proprietorship	Features, advantages, disadvantages, and sources of capital
4	Partnership I	Definition, features, types of partners
5	Midterm Examination	–
6	Partnership II	Advantages, disadvantages, partnership deed
7	Midterm Break	–
8	Money	Meaning, evolution, functions, qualities, and importance
9	Career Opportunities	Careers in commerce, qualifications, and prospects
10	Cooperative Society	Meaning, types, advantages, and limitations
11	Revision	–
12	Examination	–
13	Closing	–

## SS1 COMMERCE SCHEME OF WORK

### THIRD TERM

Week	Topic	Content
1	Public Enterprises	Meaning, types, features, advantages and disadvantages
2	Limited Companies I	Definition, features of private and public limited companies
3	Limited Companies II	Advantages, disadvantages, procedures for formation
4	Trade Association I	Definition, roles, and examples of trade associations
5	Midterm Examination	–
6	Trade Association II	Advantages, disadvantages, contributions to commerce
7	Midterm Break	–
8	Transportation I	Meaning, types of transportation, importance
9	Transportation II	Advantages, disadvantages, role in commerce
10	Communication	Meaning, forms, importance, role in business
11	Revision	–
12	Examination	–
13	Closing	–

## SS1 MARKETING SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Introduction to Marketing I	Meaning, nature, and scope of marketing
2	Introduction to Marketing II	Importance of marketing in business and society
3	Marketing Concepts	Production, product, selling, marketing, and societal concepts
4	Classification of Products I	Consumer goods and industrial goods
5	Midterm Examination	–
6	Classification of Products II	Durable and non-durable goods, services
7	Midterm Break	–
8	Marketing Mix	4Ps: product, price, place, promotion
9	Marketing Environment	Internal and external environment of marketing
10	What Do Markets Do	Functions and roles of markets
11	Revision	–
12	Examination	–
13	Closing	–

**SS1 MARKETING SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Consumer Behaviour	Meaning, factors influencing consumer behaviour
2	Organizational Buying Behaviour	Meaning, features, and differences from consumer behaviour
3	Marketing Plan	Meaning, components, importance
4	Advertising I	Meaning, types, importance of advertising
5	Midterm Examination	–
6	Advertising II	Media of advertising, advantages and disadvantages
7	Midterm Break	–
8	Pricing Strategies and Determinants	Pricing objectives, strategies, and factors influencing pricing
9	Promotion	Meaning, types, and tools of promotion
10	Merchandising	Meaning, importance, and techniques
11	Revision	–
12	Examination	–
13	Closing	–

## SS1 MARKETING SCHEME OF WORK

### THIRD TERM

Week	Topic	Content
1	Advertising II	Media of advertising, advantages and disadvantages
2	Pricing Strategies and Determinants	Pricing objectives, strategies, and determinants
3	Promotion I	Meaning, tools, and importance
4	Promotion II	Methods of sales promotion, advantages and disadvantages
5	Midterm Examination	–
6	Merchandising I	Meaning, importance, and techniques
7	Midterm Break	–
8	Merchandising II	Methods of merchandising and applications
9	Merchandising III	Modern trends in merchandising
10	Distribution	Meaning, channels, and importance
11	Revision	–
12	Examination	–
13	Closing	–

## SS1 ECONOMICS SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Meaning of Economics and Related Concepts	Definition of economics; Basic concepts (scarcity, choice, scale of preference, opportunity cost)
2	Basic Tools of Economic Analysis	Tables, graphs, charts, simple equations
3	Concept of Demand and Supply	Law of demand, demand schedule/curve; Law of supply, supply schedule/curve
4	Theory of Production	Meaning; Types of production; Factors of production
5	Midterm Examination	–
6	Basic Economic Problems of Society	What to produce, how to produce, for whom to produce
7	Midterm Break	–
8	Firms and Industry	Meaning of firms and industry; Types of industry
9	Population	Meaning; Types; Importance and problems of population
10	Labour Market	Meaning; Demand and supply of labour; Wage determination
11	Revision	–
12	Examination	–
13	Closing	–

**SS1 ECONOMICS SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	The Nature of the Nigerian Economy	Features, structure, and sectors of the Nigerian economy
2	Agriculture	Meaning; Types of agriculture; Importance and problems
3	Mining	Meaning; Methods of mining; Contributions to the economy
4	Meaning of Financial Institutions	Types: formal and informal; Roles in the economy
5	Midterm Examination	–
6	Money: Meaning, Characteristics, and Functions	Evolution of money; Features; Functions of money
7	Midterm Break	–
8	Channels of Distribution	Meaning; Middlemen; Importance and limitations
9	Instruments of Business Finance	Shares, debentures, loans, bonds
10	Tools of Economic Analysis	Revision of graphs, charts, tables, equations
11	Revision	–
12	Examination	–
13	Closing	–

## SS1 ECONOMICS SCHEME OF WORK

### THIRD TERM

Week	Topic	Content
1	Cost Concepts	Meaning; Types of costs: fixed, variable, total, marginal, average
2	Revenue Concepts	Meaning; Types of revenue: total, average, marginal
3	Types and Features of Economic Systems	Capitalism, socialism, mixed economy, communalism
4	Labour Market	Supply and demand of labour; Wage determination
5	Midterm Examination	–
6	Elementary Treatment of Utility Theory	Meaning; Types of utility; Law of diminishing marginal utility
7	Midterm Break	–
8	Price Determination	Interaction of demand and supply; Equilibrium price
9	Market Structures	Perfect competition, monopoly, monopolistic, oligopoly
10	Industries in Nigeria	Types: primary, secondary, tertiary; Importance; Problems
11	Revision	–
12	Examination	–
13	Closing	–

## **SS 1 TRADE SUBJECTS**

1. Solar Photovoltaic installation and maintenance
2. Fashion design and garment making
3. Livestock farming,
4. Beauty and cosmetology
5. Computer hardware and GSM repairs
6. Horticulture and crop production

## SS1 SOLAR PHOTOVOLTAIC INSTALLATION & MAINTENANCE

### FIRST TERM

Week	Topic	Content Breakdown
1	Introduction to Renewable Energy	Meaning, sources (solar, wind, hydro, biomass), importance of solar energy in Nigeria
2	Basics of Solar Energy	Solar radiation, photovoltaic effect, advantages & limitations
3	Solar Energy Terminologies	Irradiance, insolation, efficiency, peak sun hours
4	Types of Solar Energy Systems	Off-grid, on-grid, hybrid systems – differences, applications
5	<b>Midterm Test</b>	
6	Components of PV Systems I	Solar panels: types (monocrystalline, polycrystalline, thin-film), ratings
7	<b>Midterm Break</b>	
8	Components of PV Systems II	Charge controllers: types, functions
9	Components of PV Systems III	Batteries: types (lead-acid, lithium-ion), sizing, care
10	Components of PV Systems IV	Inverters: types (pure sine, modified sine), ratings
11–13	Revision & Exams	

## SS1 SOLAR PHOTOVOLTAIC INSTALLATION & MAINTENANCE

### SECOND TERM

Week	Topic	Content Breakdown
1	Basic Electrical Concepts	Current, voltage, resistance, power (Ohm's law)
2	Tools & Instruments in PV Installation	Multimeter, clamp meter, solar tester, hand tools
3	Solar Panel Connections I	Series connection, voltage effects
4	Solar Panel Connections II	Parallel connection, current effects
5	<b>Midterm Test</b>	
6	Solar Panel Mounting Structures	Types, orientations, tilt angle, site assessment
7	<b>Midterm Break</b>	
8	Wiring & Cabling	DC & AC cabling, cable sizing, safety
9	Earthing & Protection	Surge protectors, grounding systems, circuit breakers
10	Practical: Small Solar Setup	Assembling a 12V DC lighting system
11-13	Revision & Exams	

## SS1 SOLAR PHOTOVOLTAIC INSTALLATION & MAINTENANCE

### THIRD TERM

Week	Topic	Content Breakdown
1	PV System Design Principles	Load assessment, energy demand calculation
2	Sizing Solar Panels	Calculating energy requirement vs solar panel output
3	Sizing Batteries	Daily load, depth of discharge, battery autonomy
4	Sizing Charge Controllers & Inverters	Ratings, efficiency considerations
5	<b>Midterm Test</b>	
6	Practical PV System Design	Case study: household system
7	<b>Midterm Break</b>	
8	PV System Installation Steps I	Mounting panels, installing balance of system
9	PV System Installation Steps II	Electrical wiring, inverter & battery connection
10	System Testing & Commissioning	Voltage/current tests, performance checks
11–13	Revision & Exams	

## SS1 FASHION DESIGN & GARMENT MAKING

### FIRST TERM

Week	Topic	Content Breakdown
1	Introduction to Fashion & Garment Making	Meaning, importance, career opportunities
2	History of Fashion	Evolution of clothing, Nigerian traditional attire
3	Basic Sewing Tools & Equipment I	Cutting tools, measuring tools, pressing tools
4	Basic Sewing Tools & Equipment II	Sewing machine – parts, functions, maintenance
5	<b>Midterm Test</b>	
6	Safety in the Sewing Workshop	Rules, accident prevention, first aid
7	<b>Midterm Break</b>	
8	Fibres & Fabrics I	Natural & synthetic fibres, characteristics
9	Fibres & Fabrics II	Fabric selection for different garments
10	Textile Care & Finishes 11–	Washing, bleaching, dyeing, printing
13	Revision & Exams	

## SS1 FASHION DESIGN & GARMENT MAKING

### SECOND TERM

Week	Topic	Content Breakdown
1	Basic Sewing Stitches I	Temporary stitches (tacking, basting)
2	Basic Sewing Stitches II	Permanent stitches (running, hemming, backstitch)
3	Machine Stitches	Straight stitch, zigzag stitch, decorative stitches
4	Seams & Seam Finishes	Types (plain, French, open, overlocked)
5	<b>Midterm Test</b>	
6	Fullness Techniques I	Darts, tucks, gathers
7	<b>Midterm Break</b>	
8	Fullness Techniques II	Pleats, smocking, shirring
9	Pressing Techniques	Use of iron, pressing ham, pressing cloth
10	Practical: Sewing Simple Articles	Handkerchief, apron, pillowcase
11–13	Revision & Exams	

## SS1 FASHION DESIGN & GARMENT MAKING

### THIRD TERM

Week	Topic	Content Breakdown
1	Body Measurements	Taking accurate measurements
2	Pattern Drafting I	Basic bodice, skirt, sleeve
3	Pattern Drafting II	Simple dress patterns
4	Pattern Alteration	Adjusting for size, figure variations
5	<b>Midterm Test</b>	
6	Fabric Layout & Cutting	Grain, nap, layout methods
7	<b>Midterm Break</b>	
8	Garment Construction I	Skirt (straight, gathered, flared)
9	Garment Construction II	Blouse/shirt
10	Practical: Sewing a Simple Garment	
11–13	Revision & Exams	

## SS1 LIVESTOCK FARMING SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Introduction to Livestock Farming	Meaning and importance of livestock farming; Scope (cattle, poultry, goats, sheep, pigs, rabbits, fish); Difference between subsistence and commercial livestock farming
2	History and Development of Livestock Farming in Nigeria	Traditional livestock keeping; Modern methods; Government roles in livestock development
3	Classification of Livestock	Ruminants and non-ruminants; Examples and characteristics
4	Livestock Housing	Types of housing for poultry, goats, sheep, cattle, pigs; Principles of good housing
5	Midterm Test	–
6	Animal Nutrition I	Classes of feed: Energy, protein, minerals, vitamins, water; Examples of feed ingredients
7	Midterm Break	–
8	Animal Nutrition II	Balanced ration; Factors affecting feed formulation; Feed storage
9	Animal Breeding I	Natural breeding; Artificial insemination; Selection methods
10	Animal Breeding II	Crossbreeding, inbreeding, line breeding; Advantages and disadvantages
11	Revision	–
12	Examination	–
13	Closing	–

## SS1 LIVESTOCK FARMING SCHEME OF WORK

### SECOND TERM

Week	Topic	Content
1	Introduction to Poultry Farming	Importance; Types of poultry (broilers, layers, cockerels, turkeys, ducks); Poultry house design
2	Poultry Management I	Brooding, feeding, vaccination; Care of day-old chicks
3	Poultry Management II	Growers and layers management; Egg production and handling
4	Poultry Diseases	Common diseases (Newcastle, coccidiosis, fowl pox); Causes, symptoms, prevention and control
5	Midterm Test	–
6	Poultry Business	Cost analysis; Record keeping; Marketing of eggs and broilers
7	Midterm Break	–
8	Goat and Sheep Farming I	Breeds, housing, feeding practices
9	Goat and Sheep Farming II	Breeding, diseases, management
10	Goat and Sheep Business	Economics of goat/sheep farming; Value chain products (meat, milk, hides)
11	Revision	–
12	Examination	–
13	Closing	–

## SS1 LIVESTOCK FARMING SCHEME OF WORK

### THIRD TERM

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Cattle Farming I	Breeds of cattle (local and exotic); Housing; Feeding
2	Cattle Farming II	Dairy vs beef cattle; Management practices
3	Cattle Breeding and Production	Breeding methods; Milk production; Beef fattening
4	Cattle Diseases	Major diseases (trypanosomiasis, foot and mouth, mastitis); Control measures
5	Midterm Test	–
6	Pig Farming I	Breeds, housing, feeding
7	Midterm Break	–
8	Pig Farming II	Breeding, disease control, management
9	Rabbit and Grasscutter Farming	Importance; Housing; Feeding; Management
10	Business Opportunities in Livestock	Meat processing, hides and skin, manure use; Value addition
11	Revision	–
12	Examination	–
13	Closing	–

## SS1 BEAUTY AND COSMETOLOGY SCHEME OF WORK

### FIRST TERM

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Introduction to Beauty and Cosmetology	Meaning, scope and importance; Career opportunities in the beauty industry
2	History of Beauty and Cosmetology	Traditional Nigerian beauty practices; Modern evolution; Global influence
3	Personal Hygiene and Grooming	Cleanliness, neatness, dressing etiquette, skin and hair care
4	Tools and Equipment I	Types, uses, care and storage of basic beauty tools
5	Midterm Test	–
6	Tools and Equipment II	Electrical appliances (hair dryer, straightener, sterilizer); Maintenance
7	Midterm Break	–
8	Safety and First Aid in Beauty Practice	Safety precautions; Handling sharp tools; Fire and electrical safety
9	Skin Care I	Types of skin; Basic facial treatment; Cleansing, toning, moisturizing
10	Skin Care II	Acne management; Exfoliation; Face masks (natural and synthetic)
11	Revision	–
12	Examination	–
13	Closing	–

**SS1 BEAUTY AND COSMETOLOGY SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Hair Care I	Types of hair; Hair structure; Importance of hair care
2	Hair Care II	Shampooing and conditioning; Blow drying; Combing and detangling
3	Hair Treatments	Natural hair care; Hot oil treatment; Deep conditioning
4	Hair Styling I	Simple styles: braids, weaving, cornrows
5	Midterm Test	–
6	Hair Styling II	Use of rollers, straighteners, curling irons
7	Midterm Break	–
8	Nail Care I	Anatomy of nails; Tools for manicure and pedicure
9	Nail Care II	Steps in manicure and pedicure; Nail art basics
10	Cosmetic Products I	Types of cosmetics; Uses; Identifying safe vs harmful products
11	Revision	–
12	Examination	–
13	Closing	–

## SS1 BEAUTY AND COSMETOLOGY SCHEME OF WORK

### THIRD TERM

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Introduction to Makeup I	Types of makeup (day, evening, bridal, stage)
2	Introduction to Makeup II	Tools and products for makeup application
3	Makeup Application I	Foundation, powder, contouring, concealer
4	Makeup Application II	Eye makeup (eyeshadow, liner, lashes); Lip makeup
5	Midterm Test	–
6	Corrective Makeup	Makeup for different face shapes; Highlighting and shading
7	Midterm Break	–
8	Traditional and Cultural Makeup	Nigerian ethnic beauty styles; Festival makeup
9	Cosmetic Chemistry	Basic ingredients in cosmetics; Natural vs synthetic products
10	Skin Disorders and Management	Common conditions (eczema, rashes, acne); Referral to specialists
11	Revision	–
12	Examination	–
13	Closing	–

## SS1 COMPUTER HARDWARE AND GSM REPAIRS

### FIRST TERM

Week	Topic	Content
1	Introduction to Computer Hardware and GSM Repairs	Scope, importance, career opportunities
2	Classification of Computer Hardware	Input, output, storage, processing units
3	Peripheral Devices	Printers, scanners, projectors, functions, and maintenance
4	Internal Components of a Computer	Motherboard, CPU, RAM, power supply
5	Midterm Examination	–
6	Safety Rules and Workshop Practices	Electrostatic discharge precautions, safe handling
7	Midterm Break	–
8	Tools for Computer and GSM Repairs	Screwdrivers, spudgers, multimeter, soldering tools
9	Computer Assembly I	Installing RAM, HDD, power supply
10	Computer Assembly II	BIOS setup, OS installation basics
11	Revision	–
12	Examination	–
13	Closing	–

## SS1 COMPUTER HARDWARE AND GSM REPAIRS

### SECOND TERM

Week	Topic	Content
1	Introduction to GSM Technology	Evolution of mobile phones, GSM architecture
2	GSM Hardware Components	Screen, keypad, battery, SIM slot, charging port
3	GSM Software Components	Firmware, IMEI, OS in smartphones
4	GSM Repair Tools	Soldering station, hot air gun, flashing tools
5	Midterm Examination	–
6	Disassembly and Reassembly of GSM Phones	Step-by-step process
7	Midterm Break	–
8	Common GSM Faults I	Charging faults, battery faults, power issues
9	Common GSM Faults II	Network issues, microphone/speaker problems
10	GSM Software Issues	Flashing, unlocking, virus removal
11	Revision	–
12	Examination	–
13	Closing	–

## SS1 COMPUTER HARDWARE AND GSM REPAIRS

### THIRD TERM

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Maintenance of Computer Hardware	Cleaning, cooling, upgrading components
2	Power Supply Systems	UPS, stabilizers, inverters
3	Introduction to Networking Hardware	Modems, routers, switches
4	GSM Communication Principles	Frequency, signal transmission, SIM technology
5	Midterm Examination	–
6	GSM Connectivity Issues	No service, SIM errors, network configuration
7	Midterm Break	–
8	Computer and GSM Accessories	Identification, functions, replacement
9	Preventive Maintenance Practices	Routine checks, record keeping
10	Entrepreneurship in ICT	Setting up a small repair business
11	Revision	–
12	Examination	–
13	Closing	–

## SS1 HORTICULTURE AND CROP PRODUCTION

### FIRST TERM

Week	Topic	Content
1	Introduction to Horticulture	Meaning, scope, importance in Nigeria
2	Branches of Horticulture	Olericulture, floriculture, pomology, landscaping
3	Crop Classification	Food, cash, ornamental, medicinal crops
4	Tools and Equipment	Identification, uses, care and maintenance
5	Midterm Examination	–
6	Soil in Horticulture	Types, properties, soil management
7	Midterm Break	–
8	Nursery Practices	Seed selection, germination, transplanting
9	Crop Propagation Methods	Sexual and asexual propagation
10	Irrigation and Watering Techniques	Methods: drip, sprinkler, surface irrigation
11	Revision	–
12	Examination	–
13	Closing	–

## SS1 HORTICULTURE AND CROP PRODUCTION

### SECOND TERM

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Fertilizer and Manure Application	Organic and inorganic, methods of application
2	Weed and Pest Control	Types, effects, cultural and chemical methods
3	Crop Diseases	Identification, prevention and control
4	Environmental Factors	Light, temperature, rainfall, wind, humidity
5	Midterm Examination	–
6	Farm Records in Horticulture	Types, uses, importance
7	Midterm Break	–
8	Harvesting of Horticultural Crops	Tools, stages, methods
9	Post-Harvest Handling	Sorting, grading, packaging, storage
10	Marketing of Horticultural Products	Channels, pricing, challenges
11	Revision	–
12	Examination	–
13	Closing	–

## SS1 HORTICULTURE AND CROP PRODUCTION

### THIRD TERM

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Introduction to Crop Production	Definition, importance in Nigeria
2	Classification of Crops by Life Cycle	Annual, biennial, perennial
3	Crop Ecology	Climatic and soil requirements of major crops
4	Land Preparation	Clearing, ploughing, harrowing, ridging
5	Midterm Examination	–
6	Planting Operations	Spacing, depth, timing
7	Midterm Break	–
8	Maintenance of Crops	Thinning, mulching, pruning, staking
9	Crop Protection	Integrated pest management (IPM)
10	Harvesting of Field Crops	Time, method, tools
11	Revision	–
12	Examination	–
13	Closing	–

# **SENIOR SECONDARY TWO SCHEME OF WORK**

## **(NEW NERDC SCHEME)**

- 1. English Language**
- 2. General Mathematics**
- 3. Citizenship and Heritage Studies**
- 4. Digital Technologies**
- 5. Biology**
- 6. Chemistry**
- 7. Physics**
- 8. Agriculture**
- 9. Further Mathematics**
- 10. Foods & Nutrition**
- 11. Geography**
- 12. Technical Drawing**
- 13. Nigerian History**
- 14. Government**
- 15. Christian Religious Studies**
- 16. Visual Arts**
- 17. Literature in English**
- 18. Catering craft**
- 19. Accounting**
- 20. Commerce**
- 21. Marketing**
- 22. Economics**
- 23. Trade subjects (Students to choose one trade subject)**
  - 1) Solar Photovoltaic installation and maintenance**
  - 2) Fashion design and garment making**
  - 3) Livestock farming,**
  - 4) Beauty and cosmetology**
  - 5) Computer hardware and GSM repairs**
  - 6) Horticulture and crop production**

**SS2 ENGLISH LANGUAGE SCHEME OF WORK**

**FIRST TERM**

WEEK	TOPIC	CONTENT
1	Grammar, Oral, Summary, Vocabulary	<b>Grammar:</b> Nominalization of adjectives and verbs – meaning, process, conversion into nouns. <b>Oral:</b> Consonant sounds – voiced and voiceless, contrast and correct production. <b>Summary:</b> Meaning, features, do’s and don’ts, practice with a passage. <b>Vocabulary:</b> Words of the week – bombastic, dearth, hiatus, implacable, stingy, dour, ebullient, ignominious, impinge, tome.
2	Oral, Vocabulary/Comprehension, Writing, Vocabulary	<b>Oral:</b> Consonant clusters (two, three, four, five consonants). <b>Vocabulary/Comprehension:</b> Words related to human body systems and functions; gap-fill comprehension. <b>Writing:</b> Expository essay – <i>Controlling HIV/AIDS in Nigeria</i> or <i>Managing Population Explosion</i> . <b>Vocabulary:</b> Words of the week – partisan, repose, vivacious, surmise, malediction, stoic, tangential, mores.
3	Structure, Oral, Vocabulary/Comprehension, Vocabulary	<b>Structure:</b> Nouns and noun phrases – types, functions, distinction from noun clauses. <b>Oral:</b> Transcription of monosyllabic, disyllabic and polysyllabic words with stress marking. <b>Vocabulary/Comprehension:</b> Words related to health (diagnosis, contagious, counselling, etc.); gap-fill comprehension passage. <b>Vocabulary:</b> Words of the week – paradigm, obtuse, sublime, paragon, reciprocate, solvent, frugal, surrogate, vilify, exonerate.
4	Structure, Summary, Vocabulary/Comprehension, Vocabulary	<b>Structure:</b> Pronouns – personal, possessive, demonstrative, interrogative, reflexive, relative, reciprocal, indefinite. <b>Summary:</b> Reading to summarize – steps, rules, application. <b>Vocabulary/Comprehension:</b> Words associated with building and construction. <b>Vocabulary:</b> Words of the week – parsimony, virtuoso, revoke, surreptitious, expurgate, vacuous, manifest, incendiary, remiss, querulous.
5	<b>Mid-Term Examination</b>	Mid-term assessment covering weeks 1–4.
6	Oral, Comprehension/Listening, Writing, Vocabulary	<b>Oral:</b> Word stress (2–6 syllable words). <b>Comprehension/Listening:</b> Listening skills; answering questions on a passage. <b>Writing:</b> Argumentative essay – <i>Should female circumcision be abolished?</i> OR <i>Military rule is better than civilian rule</i> . <b>Vocabulary:</b> Words of the week –

		serendipity, verdant, scating, reprieve, pariah, maelstrom.
7	<b>Mid-Term Break</b>	Mid-term holiday (no academic work).
8	Structure, Comprehension, Oral, Vocabulary	<b>Structure:</b> Plural forms of nouns – regular, irregular, compound nouns. <b>Comprehension:</b> Reading passages to extract main points. <b>Oral:</b> Stress patterns – rules of placement. <b>Vocabulary:</b> Words of the week – wistful, xenophobia, youngster, upbraid, distend, ephemeral, hierarchy, inept, pungent, rectitude.
9	Comprehension, Oral, Summary, Vocabulary	<b>Comprehension:</b> Reading and note-taking on selected passage. <b>Oral:</b> Emphatic stress – meaning, focus, exercises. <b>Summary:</b> Summarizing arguments. <b>Vocabulary:</b> Words of the week – pliable, pittance, vapid, sublime, abdicate, accede, abnegation, apathetic, animated, coalesce.
10	Structure, Vocabulary, Comprehension, Writing, Vocabulary	<b>Structure:</b> Adverbs and adverbial phrases. <b>Vocabulary:</b> Words of colour, smell, taste. <b>Comprehension:</b> Listening – tone, purpose, figurative expressions. <b>Writing:</b> Report writing (scientific report). <b>Vocabulary:</b> Words of the week – connive, daunting, promulgate, rancour, serene, clandestine, prescient, servile, torpid, trite.
11	<b>Revision</b>	General revision of the term’s work.
12	<b>Examination</b>	End-of-term examination.
13	<b>Closing</b>	School closes for the term.

**SS2 ENGLISH LANGUAGE SCHEME OF WORK**

**SECOND TERM**

WEEK	TOPIC	CONTENT
1	Revision of Last Term's Work & Welcome Test	<b>Oral:</b> Consonant sounds. <b>Structure:</b> Use of possessive apostrophe – rules, examples, contractions. <b>Comprehension:</b> Reading to grasp main points; identifying topic sentences. <b>Vocabulary:</b> Words of the week – morass, abject, blandish, duplicity, ennui, maudlin, abscond, alias, dither, emaciated.
2	Structure, Vocabulary, Comprehension	<b>Structure:</b> Punctuation marks – question mark, exclamation mark, colon, semi-colon, hyphen. <b>Vocabulary Development:</b> Words associated with press and journalism. <b>Comprehension (Listening):</b> Poetry for pleasure – tone, purpose, figurative expressions. <b>Vocabulary:</b> Words of the week – enmity, inept, laudatory, pinnacle, divine, flabbergasted, extant, laconic, pertinacious, enervate.
3	Oral, Structure, Writing, Vocabulary	<b>Oral:</b> Intonation – expressing surprise/disbelief. <b>Structure:</b> Sentence types – declarative, imperative, interrogative. <b>Writing:</b> Formal letter – letter of complaint. <b>Vocabulary:</b> Words of the week – cherish, capricious, eschew, perusal, renunciation, rhapsodize, spurious, tenable, catalogue, turgid, antediluvian.
4	Oral, Comprehension, Writing, Vocabulary	<b>Oral:</b> Falling tone (statements). <b>Comprehension (Listening):</b> Reading for implied meaning. <b>Writing:</b> Informal letter – letter to a friend in another town. <b>Vocabulary:</b> Words of the week – monumental, moot, luxuriant, intrude, succinct, wheedle, brochure, herbivore, spasmodic, medley.
5	<b>Mid-Term Examination</b>	Mid-term assessment covering weeks 1–4.
6	Oral, Structure, Comprehension, Vocabulary	<b>Oral:</b> Rhyme scheme – identification and application. <b>Structure:</b> Pronouns – personal, relative. <b>Comprehension (Listening):</b> Summarized speech/lectures and note-making. <b>Vocabulary:</b> Words of the week – abduct, abrogate, dirge, dilatory, embellish, entail, novice, nefarious, orthodox, palliate.
7	<b>Mid-Term Break</b>	Mid-term holiday (no academic work).
8	Oral, Vocabulary, Writing, Vocabulary	<b>Oral:</b> Rising tone – politeness, tentativeness. <b>Vocabulary Development:</b> Words associated with environment. <b>Writing:</b> Creative writing – short story, play or poem. <b>Vocabulary:</b> Words of the week – paucity, ostracism, acclaim, acerbic, bereft, nomadic, beguile, munificence, palliate, phlegmatic.
9	Oral, Structure, Comprehension, Vocabulary	<b>Oral:</b> Consonant contrasts – /p/ and /b/, /t/ and /d/, /s/ and /z/. <b>Structure:</b> Sequence of tenses – rules, usage. <b>Comprehension:</b> Reading for critical evaluation. <b>Vocabulary:</b> Words of the week – propriety, preclusive, canvas, exigent, requisition, carouse, forestall, tranquil, heterogeneous, unctuous.
10	Structure, Vocabulary, Writing, Vocabulary	<b>Structure:</b> Phrasal verbs – verbs with more than one particle (look up to, put up with, etc.). <b>Vocabulary Development:</b> Words associated with building and construction. <b>Writing:</b> Articles – features, differences from letters. <b>Vocabulary:</b> Words of the week – culvert, ideograph, mychotophobia, closely, grunge, unsightly, wishy-washy, asylum, consensus, hospice.

11	Structure, Vocabulary, Oral, Vocabulary	<b>Structure:</b> Active and passive sentences – rules, sentence construction. <b>Vocabulary Development:</b> Words associated with technology (email, satellite, virus, password, etc.). <b>Oral:</b> Recognition of different stress patterns. <b>Vocabulary:</b> Words of the week – nuzzle, platitude, feisty, oust, disarmament, vestige, exude, rattle, tantalizing, unbridled.
12	<b>Revision</b>	General revision of the term's work.
13	<b>Examination</b>	End-of-term examination.
14	<b>Closing</b>	School closes for the term.

**SS2 ENGLISH LANGUAGE SCHEME OF WORK**

**THIRD TERM**

<b>WEEK</b>	<b>TOPICS</b>	<b>LEARNING OBJECTIVES</b>
1	Welcome Test A. Grammar: Revise Tenses B. Words for the Week	- Recall types of tenses - Explain tenses with examples - Differentiate each tense from another - Learn new words (acronym, troupe, socialism, ardour, professionalism, behemoth, calumny, compliment, indigent, dissemble)
2	A. Grammar: Sentences (Conditional Clauses – likely, unlikely, impossible; Complex Sentences) B. Writing: Speech Writing for Special Purposes (Welcome Address, Farewell Address, Prize-giving Day Address) C. Vocabulary Development: Words associated with publishing and printing D. Words for the Week	- Use conditional clauses in sentences - Identify and construct complex sentences - Explain features of speeches - Distinguish between a speech and an article - Write speeches for specific purposes - List and explain words associated with publishing/printing - Learn new words (balik, complicit, impecunious, encumber, mollify, frivolous, confection, disrepute, benevolent, generous)
3	A. Grammar: Affixation (Prefixes as word extensions) B. Writing: Summary (Summarizing a talk/lecture) C. Vocabulary Development: Words associated with industries D. Words for the Week	- Explain affixation and root words - Form new words using prefixes - Identify subject matter and main ideas in lectures - Summarize talks/lectures - Explain “industries” and related terms - Learn new words (arcane, battery, plenitude, interject, laconic, primeval, quandary, tranquil, rail, vacillate)
4	A. Grammar: Verb Forms (Active and Passive) B. Oral: Spelling (Use of dictionary, spelling) C. Writing: Article Writing (Article for publication) D. Words for the Week	-Differentiate active and passive voice - Change sentences between active and passive -Use dictionary for spelling, pronunciation, meaning, idiomatic uses, and origins - Identify features of an article - Write an article for publication - Learn new words (arboreal, camaraderie, exalt, gaudy, mawkish, diffident, forum, idolatrous, ornate, paradigm)
5	<b>Midterm Examination</b>	-
6	A. Oral: Stress Placement on Two-syllable Words B. Comprehension: Reading to paraphrase poems and dramatic works C. Grammar: Rules of Concord D. Words for the Week	- Define stress and apply stress placement rules - Read, understand, and paraphrase poems/dramas - Identify themes and features in poems/dramas - Explain rules of concord and use them in sentences - Learn new words (incendiary, winsome, rapport, sovereign, vitriolic, quaint, pathology, acrylic, gourmet, abhor)
7	<b>Midterm Break</b>	-
8	A. Oral: Vowel Sounds (/i/ vs /i:/, /u/ vs /u:/, /æ/ vs /a:/) B. Structure: Adjuncts, Conjuncts, Disjuncts C. Comprehension: Reading for structural patterns (sentence	- Produce and distinguish vowel sounds - Explain adjuncts, conjuncts, disjuncts with examples - Identify sentence types in passages - Write expository essay on family love,

	types) D. Writing: Expository Essay (Improving family functioning) E. Words for the Week	cooperation, communication - Learn new words (seminar, quandary, panah, ruse, quagmire, ominous, novice, mundane)
9	A. Structure: Prepositional Phrases B. Vocabulary: Words associated with hotel and catering industry C. Writing: Summary (implied meaning) D. Words for the Week	- Identify and use prepositional phrases - Explain hotel/catering industry terms - Summarize passages to show implied meaning - Learn new words (mitigate, vindictive, superfluous, puerile, restive, saccharine, tedious, wily, maxim, nuance)
10	A. Structure: Idioms B. Comprehension: Reading for critical evaluation (faulty reasoning, misleading statements, inconsistencies) C. Vocabulary: Words associated with politics and government D. Words for the Week	- Differentiate idioms from proverbs - Use idioms correctly - Identify writer's purpose, faulty reasoning, misleading claims - Explain political and government terms - Learn new words (whimsical, temerity, salutation, resplendent, zephyr, lund, judicious, intrepid, fraught, extol)
11	<b>Revision</b> A. Essay Writing B. Letter Writing C. Comprehension D. Summary E. Test of Orals F. Words for the Week	- Revise all major areas: essays, letters, comprehension, summary, and orals - Learn new words (rhapsodize, flout, sacrosanct, expiate, prudence, nurture, morose, lacerate, innate, reprobate)
12	<b>Examinations</b>	-
13	<b>Closing Activities</b>	-

## SS2 MATHEMATICS SCHEME OF WORK

### FIRST TERM

Week	Topic	Content Breakdown
1	Revision of Previous Work	Review of key concepts from SS1; solving diagnostic test questions.
2	Numbers and Approximation	Numbers greater and less than 1; standard form of numbers; significant figures; solving problems on approximation; percentage error and its applications.
3	Use of Logarithm Tables and Calculators	Evaluation of numbers using logarithm tables; solving problems on multiplication, division, powers, roots, and approximations.
4	Sequences and Series	Meaning and types of sequences; arithmetic progression (AP); common difference; formula for nth term; sum of first n terms; applications in problem solving.
5	Midterm Examination	—
6	Quadratic Equations I	Construction of quadratic tables from sums and products of roots; solving quadratic equations by completing the square and by formula; applications of quadratic equations in daily life.
7	Midterm Break	—
8	Quadratic Equations II	Formation of quadratic equations from given conditions; sum and product of roots; verification of roots.
9	Simultaneous Equations	Solving simultaneous equations in two variables by elimination and substitution methods; application to word problems.
10	Graphical Solutions	Drawing graphs of quadratic and linear equations; solution of simultaneous equations by graphical method; interpretation of results.
11	Revision	—
12	Examination	—

**SS2 MATHEMATICS SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content Breakdown</b>
1	Straight Line Graphs	Equation of a straight line; determination of x- and y-intercepts; gradient of a straight line; drawing tangent to a curve at a point.
2	Circle Geometry I	Tangent properties; perpendicularity of tangent and radius; angle in a semicircle; angles in alternate segments.
3	Circle Geometry II	Chord properties; angle at the centre and angle at the circumference; cyclic quadrilaterals; properties of equal chords.
4	Circle Geometry III	Angles in the same segment; angle in a semicircle; exterior angle properties; solving related problems.
5	Midterm Examination	—
6	Trigonometry I	Sine rule and cosine rule; application to triangles; problem solving with sine and cosine rules.
7	Midterm Break	—
8	Trigonometry II	Pythagoras' theorem; applications to real-life problems; solving 2D problems involving angles of elevation and depression.
9	Fractions	Operations with fractions; solving equations involving fractions; application of fractions to daily life problems.
10	Further Application of Trigonometry	Problems involving bearings; chord and arc properties; solving problems on distances and directions.
11	Revision	—
12	Examination	—

**SS2 MATHEMATICS SCHEME OF WORK**

**THIRD TERM**

<b>Week</b>	<b>Topic</b>	<b>Content Breakdown</b>
1	Introduction to Linear Programming	Meaning of linear programming; formulation of problems; real-life applications.
2	Linear Programming Graphical Solutions	Graphical representation of inequalities; feasible region; solving optimization problems.
3	Bearings	Definition and types of bearings; 4-point and 3-digit bearings; solving bearing problems (e.g., N75°E, S350°W); applications in navigation.
4	Angles of Elevation and Depression	Meaning; construction of angles of elevation and depression; solving real-life problems involving angles of elevation and depression.
5	Midterm Examination	—
6	Frequency Distribution	Meaning of frequency; construction of frequency tables; cumulative frequency.
7	Midterm Break	—
8	Graphical Representation of Frequency	Ogive (cumulative frequency curve); estimating median, quartiles, and percentiles from ogive; real-life applications.
9	Measures from Frequency	Median from grouped data; comparison with mean and mode.
10	Probability	Meaning of probability; sample space; mutually exclusive, independent, and complementary events; solving probability problems.
11	Revision	—
12	Examination	—

## SS2 CITIZENSHIP AND HERITAGE STUDIES SCHEME OF WORK

### FIRST TERM

Week	Topic	Content Breakdown
1	Nigerian Constitution	Origin, structure, features
2	Fundamental Objectives & Directive Principles	Political, economic, social, educational objectives
3	Separation of Powers	Executive, legislature, judiciary; checks & balances
4	Public Service & Citizenship	Role of civil service, duties, challenges
5	<b>Midterm Test</b>	
6	Nigerian Heritage Sites	UNESCO sites, national museums, parks
7	<b>Midterm Break</b>	
8	Traditional Institutions	Roles of chiefs, kings, emirs, obas, obis
9	Colonial Heritage	Positive & negative impacts; lessons
10	Preservation of Historical Records	Archives, museums, libraries
11-13	Revision & Exams	

**SS2 CITIZENSHIP AND HERITAGE STUDIES SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content Breakdown</b>
1	Governance & Citizenship	Meaning, principles, systems of governance
2	Federalism in Nigeria	Features, challenges, importance
3	Human Rights Violations	Causes, effects, remedies
4	Civil Society & NGOs	Roles in democracy, advocacy, service
5	<b>Midterm Test</b>	
6	Security & Citizenship	Roles of police, army, civil defense; citizens' roles in security
7	<b>Midterm Break</b>	
8	Nigerian Foreign Policy	Principles, objectives, achievements
9	Citizenship in a Digital Age	Cyber rights, cybercrime, digital responsibility
10	Case Studies	Role models in Nigerian citizenship & heritage
11-13	Revision & Exams	

## SS2 CITIZENSHIP AND HERITAGE STUDIES SCHEME OF WORK

### THIRD TERM

Week	Topic	Content Breakdown
1	Democratic Institutions in Nigeria	INEC, political parties, judiciary
2	Elections & Citizenship	Importance, processes, duties of voters
3	Electoral Malpractices	Forms, effects, solutions
4	Media & Citizenship	Role of press, social media, freedom of expression
5	<b>Midterm Test</b>	
6	Nigerian Cultural Heritage in Global Context	Nollywood, music, literature
7	<b>Midterm Break</b>	
8	Civic Challenges	Drug abuse, cultism, examination malpractice
9	National Development	Role of active citizenship
10	Environmental Citizenship	Climate change, waste management, sustainable living
11–13	Revision & Exams	

## SS2 DIGITAL TECHNOLOGIES SCHEME OF WORK

### FIRST TERM

Week	Topic	Content Breakdown
1	Review of SS1 Work	Quick revision of digital foundations
2	Advanced Word Processing	Mail merge, macros, templates
3	Advanced Spreadsheet I	Pivot tables, advanced formulas
4	Advanced Spreadsheet II	Financial models, scenario analysis
5	<b>Midterm Test</b>	
6	Advanced Presentation Tools	Multimedia integration, professional designs
7	<b>Midterm Break</b>	
8	Web Design I	Introduction to HTML, CSS
9	Web Design II	Creating simple websites
10	Web Publishing & Hosting	Domains, hosting, publishing process
11-13	Revision & Exams	

## SS2 DIGITAL TECHNOLOGIES SCHEME OF WORK

### SECOND TERM

Week	Topic	Content Breakdown
1	Computer Programming I	Introduction to algorithms, flowcharts
2	Computer Programming II	Introduction to Python/JavaScript
3	Programming Basics	Variables, data types, operators
4	Control Structures	If-else, loops, functions
5	<b>Midterm Test</b>	
6	Data Science Basics	Data collection, storage, cleaning
7	<b>Midterm Break</b>	
8	Big Data & Analytics	Meaning, applications, tools
9	Artificial Intelligence	Applications in education, health, business
10	Machine Learning Basics	Concept, simple applications
11-13	Revision & Exams	

## SS2 DIGITAL TECHNOLOGIES SCHEME OF WORK

### THIRD TERM

Week	Topic	Content Breakdown
1	Mobile Application Development I	Introduction to mobile apps
2	Mobile Application Development II	Creating simple Android/iOS apps
3	Cloud Computing II	SaaS, PaaS, IaaS
4	Blockchain Technology	Concept, cryptocurrency, uses beyond finance
5	<b>Midterm Test</b>	
6	Cybersecurity III	Ethical hacking, penetration testing
7	<b>Midterm Break</b>	
8	Cyber Laws & Digital Rights	Nigerian cybercrime act, global cyber laws
9	Digital Entrepreneurship	E-commerce, freelancing, online business
10	Project Work	Students develop mini ICT projects
11-13	Revision & Exams	

## SS2 BIOLOGY SCHEME OF WORK

### FIRST TERM

Week	Topic	Content Breakdown
1	Digestive System I	Organs of the alimentary canal; associated glands; mechanical and chemical digestion.
2	Digestive System II	Enzymes of digestion; absorption of digested food; assimilation and egestion.
3	Transportation System I	Transport in unicellular and multicellular organisms; differences between diffusion, osmosis and active transport.
4	Transportation System II	Circulatory system in mammals; structure and functions of the heart, blood vessels and blood components.
5	Midterm Examination	–
6	Respiratory System I	Meaning of respiration; structure of the respiratory system in man; breathing mechanism.
7	Midterm Break	–
8	Respiratory System II	Types of respiration (aerobic and anaerobic); comparison; importance and energy yield.
9	Excretory System	Excretory organs in man; structure and functions of the kidney; excretory products; disorders of the excretory system.
10	Nutrient Cycling in Nature	Cycles of carbon, nitrogen and water; importance of nutrient cycling to living organisms.
11	Revision	Review of first term's work.
12	Examination	–
13	Closing	–

## SS2 BIOLOGY SCHEME OF WORK

### SECOND TERM

Week	Topic	Content Breakdown
1	Ecological Management	Meaning of ecology; concepts of association, tolerance and adaptation; examples in plants and animals.
2	Pollution	Meaning and types (air, water, soil, noise); causes, effects and control of pollution.
3	Conservation of Natural Resources	Meaning of conservation; methods; importance of conserving soil, water, forests and wildlife.
4	Pests and Diseases of Crops	Types of crop pests and diseases; effects on crop production; preventive and control measures.
5	Midterm Examination	–
6	Reproductive Systems in Vertebrates	Structures and functions of reproductive systems in fish, amphibians, reptiles, birds and mammals.
7	Midterm Break	–
8	Reproductive Systems in Plants	Floral parts and their functions; types of flowers; comparison of monocot and dicot flowers.
9	Pollination in Plants	Self- and cross-pollination; agents of pollination; advantages and disadvantages.
10	Regulation of Internal Environment	Homeostasis in humans; regulation of temperature, water and salt balance; role of the skin, kidney and hormones.
11	Revision	Review of second term's work.
12	Examination	–
13	Closing	–

## SS2 BIOLOGY SCHEME OF WORK

### THIRD TERM

Week	Topic	Content Breakdown
1	Nervous Coordination	Organization of the nervous system; structure and functions of neurones; transmission of impulses.
2	Sense Organs	Structure and functions of the eye, ear, nose, tongue and skin; common defects and corrections.
3	Ecology of Population	Definition; population characteristics (size, density, birth rate, death rate, age distribution); population growth curve.
4	Balance in Nature	Concept of ecological balance; food chains, food webs and energy flow in ecosystems.
5	Midterm Examination	–
6	Reproductive System and Reproduction in Humans	Structures and functions of male and female reproductive systems; fertilization; development of embryo.
7	Midterm Break	–
8	Development of New Seeds	Fertilization in plants; development of seeds; structure and functions of seed parts.
9	Fruits	Types of fruits (simple, aggregate, multiple); features of wind- and animal-dispersed fruits.
10	Reproductive Behaviours	Courtship behaviour in animals; parental care; importance of reproductive behaviour to species continuity.
11	Revision	Review of third term's work.
12	Examination	–
13	Closing	–

## SS2 CHEMISTRY SCHEME OF WORK

### FIRST TERM

Week	Topic	Content Breakdown
1	Environmental Chemistry	Water pollution, air pollution, sources, effects, and control measures.
2	Electrolysis	Electrolytes, electrodes, principles, applications of electrolysis, Faraday's laws.
3	Electrochemical Cells	Galvanic and electrolytic cells, construction, working principles, applications.
4	Acid-Base Titration	Apparatus, procedures, acid-base indicators, titration calculations.
5	Midterm Examination	Revision and assessment of weeks 1–4.
6	Solubility and Solubility Curves	Definition, factors affecting solubility, solubility calculations, interpretation of solubility curves.
7	Midterm Break	—
8	Chemical Equilibrium	Concept of dynamic equilibrium, equilibrium constant ( $K_c$ ), simple calculations.
9	Chemical Kinetics	Meaning of reaction rate, factors affecting rates, rate laws, order of reaction.
10	Heat of Reaction	Enthalpy change, calorimetry, Hess's law applications.
11	Energetics of Reactions	Activation energy, energy profile diagrams, exothermic and endothermic reactions.
12	Examination	Term assessment.
13	Closing	—

## SS2 CHEMISTRY SCHEME OF WORK

### SECOND TERM

Week	Topic	Content Breakdown
1	Saponification and Detergents	Chemistry of soap making, properties, differences between soap and detergent, uses.
2	Introduction to Nuclear Chemistry	Radioactivity, half-life, nuclear reactions, applications and dangers.
3	Halogens	General properties, trends, compounds, and uses of fluorine, chlorine, bromine, iodine.
4	Alkali and Alkaline Earth Metals	Characteristics, occurrence, reactivity, and uses.
5	Midterm Examination	Revision and assessment of weeks 1–4.
6	Transition Elements	General properties, variable oxidation states, complex compounds, industrial importance.
7	Midterm Break	—
8	General Properties of Metals	Reactivity series, extraction and refining, metallic bonding.
9	Non-Metals and Their Compounds	Hydrogen, oxygen, nitrogen and their compounds.
10	Water	Hardness of water, purification methods, water quality control.
11	Environmental Pollution	Causes, effects, and control of land, air, and water pollution.
12	Examination	Term assessment.
13	Closing	—

## SS2 CHEMISTRY SCHEME OF WORK

### THIRD TERM

Week	Topic	Content Breakdown
1	Sulphur and Its Compounds	Occurrence, preparation, properties, uses of sulphur, sulphur dioxide, and sulphuric acid.
2	Carbon and Its Compounds	Properties, oxides, carbonates, hydrocarbons, importance.
3	Industrial Preparation of Chemicals	Large-scale production of HCl, NH <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , processes and applications.
4	Organic Chemistry (Revision)	Functional groups, homologous series, IUPAC nomenclature.
5	Midterm Examination	Revision and assessment of weeks 1–4.
6	Hydrocarbons	Types, properties, reactions, tests for hydrocarbons.
7	Midterm Break	—
8	Alcohols, Ethers, and Phenols	Structures, uses, reactions, industrial applications.
9	Aldehydes and Ketones	Preparation, identification, uses and reactions.
10	Carboxylic Acids and Esters	Structure, reactions, uses, esterification.
11	Polymers and Plastics	Types, polymerization, uses, dangers of plastics.
12	Examination	Term assessment.
13	Closing	—

## SS2 PHYSICS SCHEME OF WORK

### FIRST TERM

Week	Topic	Content Breakdown
1	Light Waves I	Nature of light; rectilinear propagation; reflection of light; laws of reflection; applications.
2	Light Waves II	Refraction of light; laws of refraction; refractive index; total internal reflection and applications (prisms, optical fibers).
3	Sound Waves	Production and propagation of sound; characteristics of sound (pitch, loudness, quality); speed of sound in different media.
4	Human Eye	Structure and functions of the eye; image formation in the eye; defects of the eye and their corrections (short sight, long sight, astigmatism).
5	Midterm Examination	–
6	Application of Sound Waves	Uses of sound in medicine (ultrasound), industry (SONAR, echolocation); musical instruments.
7	Midterm Break	–
8	Electric Charges	Concept of charge; types of charges; methods of charging (friction, conduction, induction); properties of charges.
9	Description and Properties of Fields	Concept of a field; electric, magnetic, and gravitational fields; field lines and properties.
10	Gravitational Field	Newton's law of universal gravitation; gravitational field strength; differences between mass and weight; motion under gravity.
11	Revision	Review of first term's work.
12	Examination	–
13	Closing	–

## SS2 PHYSICS SCHEME OF WORK

### SECOND TERM

Week	Topic	Content Breakdown
1	Electric Field	Concept of electric field; field patterns; Coulomb's law; potential difference; capacitors.
2	Magnetic Fields	Properties of magnets; magnetic field patterns; magnetic flux; earth's magnetic field and its uses.
3	Electro-Magnetic Field	Relationship between electricity and magnetism; electromagnetic induction; Faraday's and Lenz's laws; applications (transformers, generators).
4	Simple A.C. Circuits	Characteristics of alternating current; comparison of A.C. and D.C.; peak and rms values; resistors, capacitors, and inductors in A.C. circuits.
5	Midterm Examination	–
6	Battery	Types of cells and batteries (primary, secondary); construction, working, and applications; care and maintenance.
7	Midterm Break	–
8	Solar Collector	Meaning and importance of solar energy; principles of solar collector; applications and advantages in energy supply.
9	Revision	Review of second term's work.
10	Examination	–
11	Closing	–

## SS2 PHYSICS SCHEME OF WORK

### THIRD TERM

Week	Topic	Content Breakdown
1	Electrical Continuity Testing	Concept of electrical continuity; testing with continuity tester and multimeter; importance in troubleshooting circuits.
2	Electroplating	Principles of electrolysis; process of electroplating; industrial and domestic applications.
3	Application of Electromagnetic Field	Uses in communication, medicine (MRI, X-ray), industry (induction furnaces, motors).
4	Models of the Atom	Historical development: Dalton, Thomson, Rutherford, Bohr; modern atomic theory.
5	Midterm Examination	–
6	Nucleus	Structure of the nucleus; atomic number, mass number, isotopes; nuclear reactions (fission, fusion); radioactivity.
7	Midterm Break	–
8	Energy Quantization	Planck's hypothesis; photons; energy levels in atoms; applications (lasers, photoelectric effect).
9	Duality of Matter	Wave-particle duality; de Broglie hypothesis; experimental evidences.
10	Energy and Society	Sources of energy (renewable, non-renewable); energy crisis; environmental effects of energy use; sustainable energy strategies.
11	Revision	Review of third term's work.
12	Examination	–
13	Closing	–

## SS2 AGRICULTURAL SCIENCE SCHEME OF WORK

### FIRST TERM

Week	Topic	Content Breakdown
1	Farm Surveying and Planning	Meaning of farm surveying; importance; instruments used; methods of land measurement; uses of surveying data in agriculture.
2	Farm Planning	Definition of farm planning; objectives; factors influencing farm planning; steps in farm planning; importance to agricultural production.
3	Principles of Farmstead Planning and Location of Buildings/Structures	Meaning of farmstead planning; factors affecting location (topography, soil type, water supply, nearness to market, accessibility); layout of farm structures (barn, silo, poultry house, fish pond, etc.).
4	Forest Management	Meaning; importance of forest to agriculture and economy; methods of forest management (afforestation, controlled exploitation, taungya system, forest reservation).
5	Agro-Forestry Practices in Nigeria	Definition of agroforestry; examples (alley cropping, shelter belts, windbreaks); benefits to soil fertility, erosion control, and biodiversity.
6	Importance of Ornamental Plants	Economic, aesthetic, medicinal, and environmental importance of ornamental plants.
7	Common Types of Ornamental Plants	Flowering plants, foliage plants, shrubs, lawn grasses, trees, climbers; examples of each.
8	Settings and Locations for Planting Each Type of Ornamental Plant	Home gardens, parks, schools, offices, roadsides; factors to consider when locating ornamental plants.
9	Methods of Cultivating Ornamental Plants	Direct seeding, transplanting, grafting, layering, budding, use of cuttings; care and management.
10	Revision	Review of first term's work.
11	Examination	–
12	Closing	–

## SS2 AGRICULTURAL SCIENCE SCHEME OF WORK

### SECOND TERM

Week	Topic	Content Breakdown
1	Maintenance of Ornamental Plants	Weeding, watering, pruning, staking, mulching, manuring, pest and disease control in ornamental plants.
2	Diseases of Crops	Meaning of crop diseases; types (fungal, bacterial, viral, nematode); symptoms; effects; control measures.
3	Pests of Crops	Definition of crop pests; examples (insects, birds, rodents, monkeys); economic importance; preventive and control measures.
4	Weeds and Weed Control	Meaning and types of weeds; characteristics; harmful and beneficial effects; methods of weed control (cultural, mechanical, chemical, biological).
5	Types and Classification of Farm Animals	Cattle, sheep, goats, pigs, poultry, rabbits, fish; classification based on uses (meat, milk, work, eggs, hides/skins).
6	Anatomy and Physiology of Farm Animals	External parts; digestive, circulatory, respiratory, and reproductive systems of cattle, poultry, and pigs.
7	Animal Reproduction	Meaning and importance; types (asexual and sexual); reproductive processes in farm animals; fertilization and gestation.
8	Environmental Physiology in Farm Animals	Effects of climate (temperature, rainfall, humidity, wind) on growth, production, and reproduction of farm animals; adaptation strategies.
9	Livestock Management	Meaning; principles; management practices for cattle, sheep, goats, pigs, poultry, and rabbits; housing, feeding, breeding, health care.
10	Revision	Review of second term's work.
11	Examination	–
12	Closing	–

## SS2 AGRICULTURAL SCIENCE SCHEME OF WORK

### THIRD TERM

Week	Topic	Content Breakdown
1	Animal Nutrition	Classes of food nutrients (carbohydrates, proteins, fats, vitamins, minerals, water); functions; sources; importance in animal production.
2	Rangeland Management	Meaning of rangeland; types; importance; methods of improvement (reseeding, rotational grazing, controlled stocking, fertilizer application).
3	Basic Economic Principles	Definition; scarcity, choice, and opportunity cost; scale of preference; production possibilities curve.
4	Factors of Production	Land, labour, capital, and entrepreneurship; meaning, characteristics, and roles in agriculture.
5	Midterm Examination	–
6	Principles of Demand	Meaning; law of demand; demand schedule and curve; factors affecting demand; elasticity of demand in agriculture.
7	Midterm Break	–
8	Principles of Supply	Meaning; law of supply; supply schedule and curve; factors affecting supply; elasticity of supply in agriculture.
9	Implications of Demand and Supply for Agricultural Production	Application of demand and supply to pricing, output, and farmers' decisions in agriculture.
10	Functions of a Farm Manager	Roles, qualities, and responsibilities of a farm manager; importance to agricultural productivity.
11	Revision	Review of third term's work.
12	Examination	–
13	Closing	–

**SS2 FURTHER MATHEMATICS SCHEME OF WORK**

**FIRST TERM**

<b>Week</b>	<b>Topic</b>	<b>Content Breakdown</b>
1	Solution to Quadratic Equation	Methods of solving quadratic equations: factorization, completing the square, quadratic formula; word problems.
2	Tangent and Normal to Curve	Meaning; derivation of tangent and normal equations; applications in coordinate geometry.
3	Polynomials I	Definition; degree of polynomials; addition, subtraction, multiplication; long division.
4	Polynomials II	Factor and remainder theorem; applications in simplifying algebraic expressions.
5	Midterm Examination	—
6	Polynomials II (Cont.)	Application of factor and remainder theorem; solving higher order equations.
7	Midterm Break	—
8	Cubic Equations and their Factorization	Factorization of cubic expressions; methods of solution.
9	Logical Reasoning I	Statements; truth table; negation, conjunction, disjunction.
10	Logical Reasoning II	Conditional and biconditional statements; tautology and contradiction.
11	Trigonometric Function	Definition; values of trigonometric ratios; angle of elevation and depression.
12	Graphs of Trigonometric Function	Sine, cosine, and tangent graphs; properties and transformations.
13	Trigonometric Identity & Graphs of Inverse Trigonometric Ratios; Pythagoras Theorem	Basic identities; inverse trigonometric graphs; applications of Pythagoras theorem.

**SS2 FURTHER MATHEMATICS SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content Breakdown</b>
1	Limits of Functions and Differentiation from First Principle	Concept of limits; evaluation; differentiation using first principle.
2	Rules of Differentiation I	Differentiation of algebraic functions using power rule, constant rule, and sum/difference rule.
3	Rules of Differentiation II	Product rule, quotient rule, chain rule.
4	Differentiation of Trigonometric, Logarithmic, and Exponential Functions	Standard derivatives; application to problems.
5	Midterm Examination	—
6	Application of Differentiation	Rate of change; velocity and acceleration; equation of motion.
7	Midterm Break	—
8	Maximum and Minimum Points and Values	Turning points of curves; second derivative test; applications.
9	The Circle	Definition; general equation of a circle; equation of tangent; length of tangent.
10	Conic Sections I	Parabola, ellipse, hyperbola: definitions and equations.
11	Conic Sections II	Properties and graphs of conic sections; applications.
12	Conic Sections III	Continuation of parabola, ellipse, and hyperbola.
13	Sample Space and Events	Event space; independent and dependent events; probability.

**SS2 FURTHER MATHEMATICS SCHEME OF WORK**

**THIRD TERM**

<b>Week</b>	<b>Topic</b>	<b>Content Breakdown</b>
1	Sample Space and Events (Cont.)	Further problems on event space; probability of compound events.
2	Permutation and Combination I	Meaning; arrangement of objects; fundamental counting principle.
3	Permutation and Combination II	Combination of objects; applications in probability.
4	Dynamics I	Newton's laws of motion; motion along inclined plane.
5	Midterm Examination	—
6	Dynamics II	Motion of connected particles; applications of Newton's laws.
7	Midterm Break	—
8	Work, Power, Energy	Work done by a force; power; energy; impulse and momentum.
9	Projectiles	Motion of projectiles; equations and applications.
10	Binomial Expansion	Binomial theorem; expansion of $(a + b)^n$ ; applications.
11	Mechanics (Vector Geometry)	Vector operations; scalar and vector products; applications in mechanics.
12	Integration I	Indefinite integral; basic rules; applications.
13	Integration II and Applications	Definite integrals; area under a curve; regression line and correlation coefficient.

## SS2 FOOD AND NUTRITION SCHEME OF WORK

### FIRST TERM

WEEK	TOPIC	CONTENT
1	Meat Cookery	Meaning and types of meat; structure of meat; nutritive value of meat; factors affecting choice of meat; methods of cooking meat and meat dishes
2	Poultry	Meaning and types of poultry; structure; preparation; nutritive value; factors affecting choice; methods of cooking poultry dishes
3	Eggs	Meaning, uses and nutritive value of eggs; structure of egg; test for freshness; methods of cooking eggs and egg dishes
4	Milk and Milk Products	Meaning, types and nutritive value of milk; methods of preserving milk; examples of milk dishes
5	<b>Midterm Test</b>	Assessment of weeks 1–4
6	Sea Foods	Meaning and classification of sea foods; nutritive value; factors to consider when choosing sea foods; methods of cooking fishes
7	<b>Midterm Break</b>	—
8	Food Additives	Meaning, types (flavouring, herbs, spices etc.); classification (local and foreign); uses and presentation on album/cardboard
9	Practical on Meat, Poultry, Milk, Sea Foods, and Food Additives	Preparation and serving of dishes; use of additives in meals
10	Starchy Roots and Plantain	Meaning; types of starchy roots; nutritive value; types and value of plantain; dishes made from plantain
11	<b>Revision</b>	General review of all topics
12	<b>Examination</b>	End of term exams
13	<b>Closing</b>	Vacation

## SS2 FOOD AND NUTRITION SCHEME OF WORK

### SECOND TERM

WEEK	TOPIC	CONTENT
1	Energy Management in Food Preparation	Meaning, advantages, principles of energy management; steps in managing energy; meaning of fatigue
2	Kitchen Equipment and Utensils	Meaning, classification, selection, use, care and storage of large and small kitchen equipment, fixtures and appliances
3	Labour Saving Devices	Meaning, uses, factors to consider in selection; care and maintenance
4	Special Nutritional Needs I	Infants, children, adolescents, adults, aged, pregnant and lactating mothers: meal planning and physiological needs
5	<b>Midterm Test</b>	Assessment of weeks 1–4
6	Special Nutritional Needs II	Continuation of meal planning for different groups and physiological needs
7	<b>Midterm Break</b>	—
8	Project on Test Interpretation	Practice in interpreting exam questions and writing responses
9	Flour Cookery	Meaning and types of flour; local flour sources; nutritive value; dishes from flour (bread, pastries etc.)
10	Raising Agents	Meaning; types (yeast, baking powder etc.); composition and evaluation
11	<b>Revision</b>	General review of all topics
12	<b>Examination</b>	End of term exams
13	<b>Closing</b>	Vacation

## SS2 FOOD AND NUTRITION SCHEME OF WORK

### THIRD TERM

WEEK	TOPIC	CONTENT
1	Convenience Foods	Meaning, uses, forms, examples; selection factors; advantages and disadvantages; dishes made with convenience foods
2	Preservation of Foods	Meaning of spoilage; causes and agents; importance of preservation; principles of preservation
3	Methods of Food Preservation	Various preservation methods (drying, smoking, salting, freezing, canning etc.)
4	Food Storage	Meaning and importance; storage of perishable and non-perishable foods; storage equipment and spaces (barns, refrigerator, deep freezers)
5	<b>Midterm Test</b>	Assessment of weeks 1–4
6	Practical on Convenience Foods and Food Storage	Preparation of dishes using convenience foods; practical demonstration of preservation methods
7	<b>Midterm Break</b>	—
8	Budgeting	Meaning of budgeting; income, expenditure; family needs; food budgeting; factors influencing budgeting
9	Food Purchasing	Meaning of bulk-purchasing, piece-meal, impulse buying; factors to consider; advantages and disadvantages; shopping list preparation
10	Consumer Education I & II	Meaning and principles; consumer agents; government agencies (NAFDAC, SON, FCCPC); duties of consumer agents; consumer practices (adulteration, falsification, misbranding)
11	<b>Revision</b>	General review of all topics
12	<b>Examination</b>	End of term exams
13	<b>Closing</b>	Vacation

## SS2 GEOGRAPHY SCHEME OF WORK

### FIRST TERM

Week	Topic	Content Breakdown
1	Industry	Meaning and types of industries (primary, secondary, tertiary, quaternary); importance of industries in economic development.
2	Basic Concepts of GIS	Meaning of GIS (Geographic Information System); importance and uses of GIS in geography and planning.
3	Components of GIS	Hardware, software, data, people, and methods; functions of each component.
4	Earth's External Processes and Landform Development	Weathering, erosion, transportation and deposition; resulting landforms (valleys, deltas, beaches, dunes, floodplains).
5	Midterm Examination	–
6	Climate II	Elements of climate; climatic controls; differences between weather and climate.
7	Midterm Break	–
8	Climatic Classification	Koppen's classification of climate; other approaches to classifying climate; world climatic regions.
9	Environmental Resources	Meaning and types (renewable and non-renewable); importance and sustainable use of environmental resources.
10	Revision	Review of first term's work.
11	Examination	–
12	Closing	–

## SS2 GEOGRAPHY SCHEME OF WORK

### SECOND TERM

Week	Topic	Content Breakdown
1	Renewable and Non-Renewable Resources	Meaning and examples; differences; significance in Nigeria's economy.
2	Environmental Problems	Pollution (air, water, land, noise); deforestation; desertification; soil erosion; overpopulation.
3	Environmental Conservation	Meaning; methods (afforestation, reforestation, legislation, recycling, controlled grazing); importance of conservation.
4	Agriculture	Types (subsistence, commercial, mixed farming); importance of agriculture; problems and solutions in Nigeria.
5	Midterm Examination	–
6	Transport and Communication in Nigeria	Types of transport (road, rail, water, air, pipeline); importance and challenges; types of communication; role in economic development.
7	Midterm Break	–
8	Manufacturing Industries in Nigeria	Types and examples; factors influencing location; contributions to GDP; problems of industries in Nigeria.
9	Commercial Activities in Nigeria	Meaning and types of commercial activities; role of trade, banking, insurance, and tourism in Nigeria's economy.
10	Revision	Review of second term's work.
11	Examination	–
12	Closing	–

## SS2 GEOGRAPHY SCHEME OF WORK

### THIRD TERM

Week	Topic	Content Breakdown
1	Direction and Bearing	Meaning of direction and bearing; use of compass and bearings in navigation and map reading.
2	Representation of Relief Forms	Methods of showing relief on maps (contours, hachures, spot heights, shading, layer colouring); interpretation of relief features.
3	Population	Meaning; factors influencing population distribution; population structure, density and growth; problems of overpopulation and underpopulation.
4	Settlements	Meaning and types (rural and urban); functions of settlements; factors affecting location of settlements.
5	Midterm Examination	–
6	Settlement Interactions	Rural-urban migration; effects of rural-urban interactions on development; problems and solutions.
7	Midterm Break	–
8	Geo-political Issues	Meaning; examples in Nigeria and Africa (boundary disputes, ethnic conflicts, political instability); effects on development.
9	GIS Data	Types of GIS data (spatial, attribute); sources of GIS data; uses in planning and development.
10	Earth's Internal Processes	Meaning; processes such as vulcanicity, earthquakes, folding and faulting; landforms associated with each.
11	Revision	Review of third term's work.
12	Examination	–
13	Closing	–

## SS2 TECHNICAL DRAWING SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Revision of SS1 Work	General review of previous year's work
2	Geometrical Construction	Identification of different types of geometrical construction; Construction of geometrical figures using appropriate instruments
3	Geometrical Construction (Continued)	Construction of triangles, quadrilaterals, and polygons; Bisection of lines and angles
4	Geometrical Construction (Continued)	Division of lines into equal parts; Construction of tangents to circles
5	Midterm Examination	–
6	Simple Scale Drawing – Plain and Diagonal Scales	Explanation of plain and diagonal scales; Construction of scales to given representative fractions
7	Midterm Break	–
8	Pictorial Drawings – Oblique Projection	Definition of oblique projection; Construction of oblique drawings using given dimensions
9	Pictorial Drawings – Isometric Projection	Definition of isometric projection; Construction of isometric drawings using given dimensions
10	Freehand Sketching	Sketching objects in freehand with correct proportion
11	Freehand Sketching (Continued)	Sketching more complex objects in freehand showing details
12	Examination	End of term examination
13	Closing	End of term activities and vacation

## SS2 TECHNICAL DRAWING SCHEME OF WORK

### SECOND TERM

Week	Topic	Content
1	Revision of First Term's Work	General review of First Term's work
2	Orthographic Projection	Definition of orthographic projection; Differences between first angle and third angle projection; Drawing objects in both methods
3	Orthographic Projection (Continued)	Construction of orthographic views of given objects
4	Sectional Views	Definition of sectional views; Types of sectional views; Drawing sectional views of simple objects
5	Midterm Examination	–
6	Sectional Views (Continued)	Drawing more complex sectional views involving different shapes
7	Midterm Break	–
8	Auxiliary Views	Definition of auxiliary views; Drawing auxiliary views of given objects
9	Assembly Drawing	Definition of assembly drawing; Identification of machine components; Drawing exploded and assembled views
10	Assembly Drawing (Continued)	Assembling given parts into complete objects in orthographic projection
11	Fasteners	Identification of types of fasteners (nuts, bolts, screws, rivets); Conventional representations
12	Examination	End of term examination
13	Closing	End of term activities and vacation

## SS2 TECHNICAL DRAWING SCHEME OF WORK

### THIRD TERM

Week	Topic	Content
1	Interpenetration and Development of Solids	Definition of interpenetration; Practical applications; Construction of interpenetration of two solids
2	Interpenetration and Development of Solids (Continued)	Development of surfaces of interpenetrating solids
3	Building Drawings	Explanation of building drawings; Reading simple floor plans
4	Building Drawings (Continued)	Drawing floor plans and elevations of simple buildings
5	Midterm Examination	–
6	Pictorial Drawing of Buildings	Drawing pictorial views of simple buildings from given plans
7	Midterm Break	–
8	Pictorial Drawing of Buildings (Continued)	Drawing more complex pictorial views of buildings
9	Freehand Sketching	Sketching building components and fittings accurately
10	Freehand Sketching (Continued)	Sketching more complex building components
11	Specification Writing	Definition of specification writing; Writing simple specifications for construction works
12	Examination	End of term examination
13	Closing	End of term activities and vacation

## SS2 NIGERIAN HISTORY SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	The Sokoto Caliphate	Origin and rise of the Caliphate; causes and effects of the 1804 Jihad; leadership of Usman dan Fodio
2	The Administration of the Caliphate	Political and religious organization; emirate system; taxation; justice and governance
3	The Impact of the Jihad	Political, religious, social, and educational transformations in Northern Nigeria
4	Bornu under the Shehus: The Emergence of El-Kanemi	The decline of the Sefawa dynasty; rise of El-Kanemi; his reforms and leadership
5	Midterm Examination	—
6	Developments under El-Kanemi and the Shehus	Reorganization of Bornu administration; resistance to the Sokoto Caliphate; restoration of stability
7	Midterm Break	—
8	Yoruba Land in the 19th Century: Oyo Empire	Growth, structure, and decline of the Oyo Empire; internal conflicts and external pressures
9	The Era of Ibadan Imperialism	Rise of Ibadan as a power; wars of expansion; military and political control
10	The Peace Treaty of 1886 and its Aftermath	Terms of the treaty; end of wars; emergence of peace and new political structures
11	Revision	Review of all topics on Sokoto, Bornu, and Yoruba history
12	Examination	—
13	Closing	—

## SS2 NIGERIAN HISTORY SCHEME OF WORK

### SECOND TERM

Week	Topic	Content
1	Benin in the 19th Century	Structure and political organization; trade and diplomacy; British relations
2	The First Phase of British Conquest (1851–1900)	British intervention in Lagos; treaties, conquest of Benin; establishment of protectorates
3	The Second Phase of British Conquest (1900–1914)	Expansion of colonial rule to the North; use of indirect rule; consolidation of British authority
4	Early Phase of British Rule (1900–1914)	Administration, policies, taxation, and native authorities
5	Midterm Examination	—
6	The Amalgamation of Nigeria (1914) and its Significance	Reasons for amalgamation; Lord Lugard's policy; advantages and disadvantages
7	Midterm Break	—
8	Colonial Rule and Its Impact	Central administration; economic exploitation; introduction of Western education and Christianity
9	The Colonial Economy	Cash crop production, taxation, infrastructure, and trade
10	Social Development and Inter-Group Relations	Urbanization, missionary education, and national consciousness
11	Revision	Review of British rule and colonial impact
12	Examination	—
13	Closing	—

## SS2 NIGERIAN HISTORY SCHEME OF WORK

### THIRD TERM

Week	Topic	Content
1	Origins of Nationalism in Nigeria	Causes of nationalism: colonial policies, education, press, and religion
2	Nationalist Movements after World War II	Roles of political organizations – NCNC, NPC, AG, and others
3	The Road to Independence	Constitutional developments: Clifford, Richards, Macpherson, and Lyttleton Constitutions
4	The Attainment of Independence (1960)	Nationalist leaders; events leading to independence; challenges of self-government
5	Midterm Examination	—
6	The First Republic (1960–1966)	Political developments; party systems; major crises and regionalism
7	Midterm Break	—
8	The First Republic: Social and Economic Developments	Education, economy, and social welfare during the First Republic
9	Military Intervention and the 1966 Coup	Causes, events, and consequences; Nigerian Civil War (1967–1970)
10	Post-Civil War Nigeria	Reconstruction, rehabilitation, and reintegration; unity efforts
11	Revision	Review of decolonization and post-independence developments
12	Examination	—
13	Closing	—

## SS2 GOVERNMENT SCHEME OF WORK

### FIRST TERM

Week	Topic	Content Breakdown
1	Colonial Administration in Nigeria: British, French, Indirect Rule	Features of colonial administration; differences between British and French systems; principles and practice of indirect rule; successes and failures of indirect rule in Nigeria.
2	Nationalism in Nigeria: Causes, Effects, Key Personalities	Meaning of nationalism; factors that led to its rise (education, media, religion, economy); roles of key nationalists (Herbert Macaulay, Nnamdi Azikiwe, Obafemi Awolowo, Ahmadu Bello, Tafawa Balewa, Anthony Enahoro, Ernest Ikoli); effects on Nigeria's independence struggle.
3	Constitutional Development in Nigeria I	Clifford Constitution (1922) – features, merits, demerits; Richards Constitution (1946) – features, merits, demerits; Macpherson Constitution (1951) – features, merits, demerits.
4	Constitutional Development in Nigeria II	Lyttleton Constitution (1954) – federal structure and significance; Independence Constitution (1960); Republican Constitution (1963); comparative analysis of the constitutions.
5	Midterm Examination	–
6	Military Rule in Nigeria: Causes, Achievements, Failures	Reasons for military intervention; achievements (infrastructure, centralization, civil service reforms); failures (dictatorship, corruption, abuse of rights).
7	Midterm Break	–
8	Civil Rule in Nigeria: Features, Merits, Challenges	Meaning of civil rule; characteristics (constitutionality, rule of law, separation of powers); merits and challenges (corruption, instability, ethnicity).
9	Nigerian Federalism I: Features and Evolution	Meaning of federalism; evolution of Nigerian federalism (from 1954 till date); main features of Nigerian federalism.
10	Nigerian Federalism II: Problems and Solutions	Problems: resource control, revenue allocation, minority agitations, state creation; possible solutions for strengthening federalism.
11	Revision	Review of first term's work.
12	Examination	–
13	Closing	–

## SS2 GOVERNMENT SCHEME OF WORK

### SECOND TERM

Week	Topic	Content Breakdown
1	Revenue Allocation in Nigeria: Principles and Issues	Meaning of revenue allocation; principles (derivation, need, equality of states, population, national interest); controversies and challenges in Nigeria's revenue allocation.
2	Inter-Governmental Relations	Meaning; types (federal–state, state–local, federal–local); importance and problems of inter-governmental relations.
3	Political Crisis in Nigeria I	1962 Census Crisis – causes, effects; 1963 Tiv Crisis – causes, effects.
4	Political Crisis in Nigeria II	1964 Election Crisis – causes, effects; 1965 Western Region Crisis – causes, effects; impact of crises on Nigerian politics.
5	Midterm Examination	–
6	The Nigerian Civil War: Causes, Effects, Resolution	Causes of the war (ethnic tension, coup, secession); major events; effects on Nigeria; resolution and reconciliation efforts (Gowon's 3Rs: Reconstruction, Rehabilitation, Reconciliation).
7	Midterm Break	–
8	Civil Society and Popular Participation	Definition and role of civil society; examples (labour unions, NGOs, student movements, faith-based organizations); importance of popular participation in governance.
9	Citizenship Education and National Integration	Meaning of citizenship; rights and duties of citizens; importance of national integration; challenges to unity in Nigeria.
10	Political Apathy: Causes, Effects, Solutions	Meaning of political apathy; causes (ignorance, mistrust, corruption); effects (low voter turnout, weak democracy); solutions (civic education, transparency, accountability).
11	Revision	Review of second term's work.
12	Examination	–
13	Closing	–

## SS2 GOVERNMENT SCHEME OF WORK

### THIRD TERM

Week	Topic	Content Breakdown
1	Electoral Systems: Types, Merits and Demerits	Meaning; types (simple majority, proportional representation, second ballot, alternative vote); merits and demerits of each.
2	Electoral Commissions in Nigeria: Past and Present	Historical overview of electoral commissions in Nigeria – NEC, FEDECO, INEC; roles, achievements, and challenges.
3	Electoral Malpractices: Types, Causes, Consequences	Meaning; types (rigging, ballot stuffing, intimidation, falsification of results); causes; consequences on democracy.
4	Democratic Processes in Nigeria	Meaning; democratic principles (rule of law, majority rule, protection of minority rights, regular elections); challenges to democratic processes in Nigeria.
5	Midterm Examination	–
6	Judiciary: Structure, Functions, Independence	Structure (hierarchy of courts); functions (interpretation of laws, protection of rights, settlement of disputes); independence of the judiciary and threats to independence.
7	Midterm Break	–
8	Human Rights: Meaning, Categories, Protection, Limitations	Meaning and types (civil, political, economic, social, cultural rights); protection of rights; limitations in practice; institutions for enforcement.
9	Public Corporations in Nigeria: Meaning, Types, Roles, Control	Meaning and examples (NITEL, NNPC, Nigerian Railway Corporation); roles in national development; methods of control (ministerial control, legislative control, judicial control).
10	Revision	Review of third term's work.
11	Examination	–
12	Closing	–

## SS2 CHRISTIAN RELIGIOUS STUDIES SCHEME OF WORK

### FIRST TERM

Week	Topic	Content Breakdown
1	Leadership of Joseph, Moses, Joshua and Deborah I	Early life and call of Joseph, Moses, Joshua, and Deborah; qualities of godly leadership.
2	Leadership of Joseph, Moses, Joshua and Deborah II	Achievements, challenges and lessons from their leadership experiences.
3	Leadership of Joseph, Moses, Joshua and Deborah III	Relevance of their leadership examples to contemporary Christian life.
4	God Cares for His People – Protection	God’s protection of Israel in the wilderness; meaning of divine care and protection today.
5	Midterm Examination	–
6	Parental Responsibility (Eli and His Sons)	Duties of parents to children; Eli’s failure; consequences of neglect of parental responsibility.
7	Midterm Break	–
8	Consequences of Obedience and Disobedience	Biblical examples of obedience and disobedience; blessings and punishments.
9	Friendship	David and Jonathan as a model of true friendship; Christian perspective on loyalty and sacrifice.
10	Trust in God (Submission to the Will of God)	Biblical characters who trusted God (Abraham, Job, Jesus); importance of submission to God’s will.
11	Revision	Review of first term’s work.
12	Examination	–
13	Closing	–

## SS2 CHRISTIAN RELIGIOUS STUDIES SCHEME OF WORK

### SECOND TERM

Week	Topic	Content Breakdown
1	Making Decisions as a Christian	Factors influencing decision-making; biblical guidelines for making right decisions.
2	Greed and its Effect	Meaning of greed; examples from the Bible (Achan, Gehazi, Judas); consequences of greed.
3	The Supremacy of God	God's power over nations, rulers, and creation; lessons for Christians.
4	Religious Reforms	Biblical examples (Josiah, Nehemiah); importance of true worship and reform in Christian life.
5	Midterm Examination	–
6	Concern for One's Nation	Nehemiah and patriotism; responsibilities of Christians toward their nation.
7	Midterm Break	–
8	Faith in God	Examples of men of faith (Hebrews 11); benefits of faith in Christian living.
9	True Religion and Social Justice	Amos, Micah, and Isaiah on justice and righteousness; implications for Christians today.
10	The Baptism and Temptation of Jesus Christ	The baptism of Jesus and its significance; temptation of Jesus and lessons for Christians.
11	Revision	Review of second term's work.
12	Examination	–
13	Closing	–

## SS2 CHRISTIAN RELIGIOUS STUDIES SCHEME OF WORK

### THIRD TERM

Week	Topic	Content Breakdown
1	Call of the Disciples	Jesus' call of the twelve; reasons for their call; lessons for Christians.
2	The Mission of the Disciples (Luke 10:1-24)	Jesus sending out the seventy; the disciples' experiences and lessons.
3	The Trial of Jesus Christ and His Death	The arrest, trial, crucifixion of Jesus; significance of His sacrifice.
4	Resurrection and Second Coming of Jesus Christ	The resurrection and its implications; Christian hope in the second coming.
5	Midterm Examination	–
6	Fellowship in the Early Church	Characteristics of fellowship; sharing, love, and unity in the early church.
7	Midterm Break	–
8	The Holy Spirit and the Mission of the Gentiles	Coming of the Holy Spirit; role in spreading the gospel to the Gentiles.
9	Opposition to the Gospel Message I	Causes of opposition; persecution in the early church (Stephen, Peter, Paul).
10	Opposition to the Gospel Message II	Continuation of opposition; relevance of persecution to Christians today.
11	Revision	Review of third term's work.
12	Examination	–
13	Closing	–

## SS2 VISUAL ARTS SCHEME OF WORK

### FIRST TERM

WEEK	TOPIC	CONTENT BREAKDOWN
1	Drawing	Still life and nature drawings; keen observation of objects; types of drawings and their surface effects; shading techniques (cross-hatching, burning, line, pointillism, wash).
2	Painting	Styles of painting (animal hide, mural, impasto, fresco tempera); still life objects (chair, plates, kettle); natural objects (insects, animals, bones, flowers); figure drawing (parts of the body, portrait, full life painting); colour mixing and application.
3	Nigerian Cultural Festivals	Meaning and origin of festivals; types of festivals; functions of festivals; symbolic significance; body decorations; illustration of festival symbols.
4	History of Art (African Traditional Art and Culture)	Traditional African art forms: Guinea, Kiss, Cameroon, Dahomey, Sierra Leone; origins and locations; media used in traditional arts; characteristics and influence on modern art.
5	Midterm Examination	Assessment of first half of term's work.
6	Graphic Design	Definition and types; tools and materials; calligraphy practical; practical designs: book cover, book jacket, logo, calendar, poster, packaging.
7	Midterm Break	-
8	Textile Design on Paper	Use of creative forms; creation of motifs (shapes, figures, patterns); formation of repeating formats; application of colours on patterns.
9	Embroidery	Identification of embroidery works; stitches illustrated on paper; transfer of stitches onto fabric; tools and materials (needle, thread, scissors, stitching machine); practical embroidery application.
10	Furniture Making	Functions of furniture; processes involved in furniture making; sourcing appropriate wood; wood treatment before use; creation of furniture in various forms.
11	Puppetry	Meaning and types; tools and materials; seams and stitches; puppet construction (marionette, storytelling, drama, shadow plays); Nigerian puppetry forms, styles, functions, and cultural significance.
12	Revision	Review of all major topics: Drawing, Painting, Festivals, History of Art, Graphic and Textile Design, Embroidery, Furniture Making, Puppetry.
13	Examination and Closing	End of term examinations and closing activities.

**SS2 VISUAL ARTS SCHEME OF WORK**

**SECOND TERM**

<b>WEEK</b>	<b>TOPIC</b>	<b>CONTENT BREAKDOWN</b>
1	Imaginative Composition I	Meaning of imaginative composition; components (foreground, middle ground, background, area of interest, compositional arrangement of objects); practical application in drawing and painting.
2	Imaginative Composition II	Drawing objects from imagination (pot, spoon, chair, stove, house, etc.); sketching and painting scenes from memory (motor accident, market scene, carpenter's workshop, etc.); application of colour and shading techniques.
3	Nature Painting	Meaning and characteristics of nature painting; natural objects (plants, animals, shells, skulls, mountains, etc.); arrangement and components of nature painting; techniques of colour application (impasto, fresco, etc.); practical painting exercises.
4	Modern and Traditional Art Institutions in Nigeria	Modern art institutions: Obafemi Awolowo University, Ahmadu Bello University, Adeyemi College of Education, Olabisi Onabanjo University; traditional art institutions: Oshogbo Art Centre, Mbari Mbayo Art Centre, Nri Art Centre; courses, history, and contributions to Nigerian art.
5	Midterm Examination	Assessment of first half of the term's work.
6	Pottery	Meaning of pottery; tools and materials; methods of pottery making; functions of pottery; basic terminologies; differences between pottery and ceramics; marketing pottery wares; practical modelling of pottery wares up to finishing stage.
7	Midterm Break	-
8	Book Cover and Jacket Design	Meaning of book cover and jacket; differences between book cover and jacket; features of book design (spine, blurb, flap, ISBN, author bio, book summary, publisher's address, etc.); practical design of book covers and jackets in pencil and colour.
9	Construction	Meaning and types of construction; processes involved; objects and materials used (hard board, beads, metal, rope, etc.); practical construction of simple art objects using appropriate media.
10	Computer in Visual Arts	Meaning and types of computers; parts and functions; drives and printers; CorelDraw window and tools; application of digital tools in art; advantages and disadvantages of computer use in art and general education.
11	Revision	General review of topics: imaginative composition, nature painting, art institutions, pottery, book design, construction, and computer art.
12	Examination	End of term examinations.
13	Closing	End of term activities.

## SS2 VISUAL ARTS SCHEME OF WORK

### THIRD TERM

WEEK	TOPIC	CONTENT BREAKDOWN
1	Basic Shapes and Designs	Meaning of basic shapes and design; types of basic and geometrical shapes (circle, square, triangle, rectangle, etc.); materials and tools for basic design; practical approach using pencil and colour; arrangement of basic and non-basic shapes in harmonious designs.
2	Indigenous Decorative Motifs	Meaning of motifs; indigenous decorative motifs (floral, animal, objects, etc.); formats for motif making (half-drop, diamond, mirror, simple repeat); creation of patterns using indigenous motifs.
3	Calabash Decoration I	Meaning and types of calabash; types of calabash decoration; uses and functions of decorated calabash; marketing and outlets for calabash products.
4	Calabash Decoration II	Practical decoration of calabash using painting, engraving, scotching, beads, cowries, coins, and carving; influence of foreign cultures on calabash decoration; value and relevance of calabash decoration in art and society.
5	Midterm Examination	Assessment of first half of the term's work.
6	Indigenous Motifs (Body Decoration – Tattoos)	Meaning of body decoration; origin and importance of tattoos in indigenous societies; tools and motifs used; types of tattoo designs (animation, zoomorphic, spiral, lines, etc.); cultural values of tattooing.
7	Midterm Break	-
8	Indigenous Motifs (Mural Designs)	Meaning of mural design; origin of mural motifs; examples of indigenous mural designs (Yoruba Sango wand, snakes, birds, geometric patterns, etc.); materials and tools for mural art; practical creation of mural motifs.
9	Indigenous Craft Making (Baskets and Mats)	Meaning of basket and mat; places in Nigeria known for basket/mat weaving; materials and tools; products of basket and mat making; functions and uses; practical weaving of simple basket and mat.
10	Indigenous Craft (Cloth Weaving) & Modern Nigerian Art and Artists	Cloth weaving: meaning, materials, tools, towns and states where weaving is prominent (e.g., Aso-Ofi, Kente); functions of woven cloths; principles of weaving (warp, weft, shuttle, loom). Modern Nigerian art: meaning and origin of contemporary Nigerian art; development of modern artistic expression; forms of modern art (sculpture, ceramics, textiles, graphics); notable Nigerian studio artists and educators (Aina Onabolu, Akinola Lasekan, Ben Enwonwu, Yusuf Grillo, Ladi Kwali, Kolade Oshinowo, Uche Okeke).
11	Revision	General review of all topics: basic designs, indigenous motifs, calabash decoration, tattoos, mural designs, basket/mat weaving, cloth weaving, modern Nigerian artists.
12	Examination	End of term examinations.
13	Closing	End of term activities.

THE WEST AFRICAN EXAMINATIONS COUNCIL  
TEST DEVELOPMENT DIVISION, PLOT 16/18 IJAIYE ROAD, OGBA  
PRIVATE MAIL BAG NO. 1076, YABA, LAGOS

HARMONIZED LIST OF LITERATURE-IN-ENGLISH TEXTS FOR THE WEST AFRICAN  
SENIOR SCHOOL CERTIFICATE EXAMINATION (WASSCE) 2026-2030

TYPE OF TEXT	SELECTED TEXT
SHAKESPEAREAN TEXT	Antony and Cleopatra
AFRICAN PROSE	1. Pede Hollist : <i>So the Path Does not Die</i> 2. Elma Shaw : <i>Redemption Road</i>
NON-AFRICAN PROSE	1. Harper Lee : <i>To Kill a Mocking Bird</i> 2. Susanne Bellefeuille : <i>Path of Lucas: The Journey He Endured</i>
AFRICAN DRAMA	1. Bosede Ademilua-Afolayan : <i>Once Upon an Elephant</i> 2. Efua Sutherland : <i>The Marriage of Anansewa</i>
NON-AFRICAN DRAMA	1. J. D. Priestley : <i>An Inspector Calls</i> 2. Robert Bolt : <i>A Man for all Seasons</i>
AFRICAN POETRY	1. Gabriel Okara : <i>Once Upon a Time</i> 2. Elizabeth L. A. Kamara : <i>New Tongue</i> 3. Wole Soyinka : <i>Night</i> 4. Niyi Osundare : <i>Not my Business</i> 5. S.O.H. Afriyie-Vidza : <i>Hearty Garlands</i> 6. Syl Cheney-Coker : <i>The Breast of The Sea</i>
NON-AFRICAN POETRY	1. Lord Byron : <i>She Walks in Beauty</i> 2. Geoffrey Chaucer : <i>The Nun's Priest's Tale (shortened)</i> 3. Seamus Heaney : <i>Digging</i> 4. Maya Angelou : <i>Still I Rise</i> 5. Fleur Adcock : <i>The Telephone Call</i> 6. Wilfred Wilson Gipson : <i>The Stone</i>

## SS2 LITERATURE-IN-ENGLISH SCHEME OF WORK

### FIRST TERM

Week	Topic	Content Breakdown
1	Introduction to African Poetry	Study of <i>Gabriel Okara</i> – “ <i>Once Upon a Time</i> ”; themes, content analysis, and poetic devices.
2	African Poetry	Study of <i>Wole Soyinka</i> – “ <i>Night</i> ”; themes, structure, and poetic devices.
3	African Poetry	Study of <i>Niyi Osundare</i> – “ <i>Not My Business</i> ”; themes, style, tone, and poetic analysis.
4	African Poetry	Study of <i>Syl Cheney-Coker</i> – “ <i>The Breast of the Sea</i> ”; themes, content analysis, imagery, and symbolism.
5	<b>Midterm Examination</b>	Assessment of first half of the term’s work.
6	African Poetry	Study of <i>S.O.H. Afriyie-Vidza</i> – “ <i>Hearty Garlands</i> ” and <i>Elizabeth L. A. Kamara</i> – “ <i>New Tongue</i> ”; themes, mood, tone, and poetic devices.
7	<b>Midterm Break</b>	—
8	Non-African Poetry	Study of <i>Maya Angelou</i> – “ <i>Still I Rise</i> ”; themes of perseverance and empowerment; poetic techniques.
9	Non-African Poetry	Study of <i>Lord Byron</i> – “ <i>She Walks in Beauty</i> ”; themes, diction, mood, and imagery.
10	Non-African Poetry	Study of <i>Seamus Heaney</i> – “ <i>Digging</i> ” and <i>Fleur Adcock</i> – “ <i>The Telephone Call</i> ”; structure, tone, and poetic analysis.
11	<b>Revision</b>	General review of all poems studied (African and Non-African).
12	<b>Examination</b>	End of term examinations.
13	<b>Closing</b>	End of term activities.

**SS2 LITERATURE-IN-ENGLISH SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content Breakdown</b>
1	Welcome Test and Review	Review of previous term's work; introduction to prose elements and literary terms.
2	Introduction to African Prose	Study of <i>Elma Shaw – "Redemption Road"</i> ; plot structure, setting (physical, social, and temporal).
3	African Prose	Detailed analysis of <i>Redemption Road</i> (Chapters 1–5); introduction of characters and major events.
4	African Prose	Continued analysis (Chapters 6–10); themes and character development.
5	<b>Midterm Examination</b>	Assessment of first half of the term's work.
6	African Prose	Continued study (Chapters 11–15); stylistic and structural analysis.
7	<b>Midterm Break</b>	—
8	Non-African Prose	Study of <i>Susanne Bellefeuille – "Path of Lucas: The Journey He Endured"</i> ; background of the author and text overview.
9	Non-African Prose	Detailed analysis (Chapters 1–6); major events and themes of perseverance, love, and endurance.
10	Non-African Prose	Continued analysis; characterization, plot development, and narrative techniques.
11	<b>Revision</b>	General review of African and Non-African prose texts.
12	<b>Examination</b>	End of term examinations.
13	<b>Closing</b>	End of term activities.

## SS2 LITERATURE-IN-ENGLISH SCHEME OF WORK

### THIRD TERM

Week	Topic	Content Breakdown
1	Introduction to African Drama	Overview of African Drama and cultural influences.
2	African Drama	Study of <i>Efua Sutherland</i> – “ <i>The Marriage of Anansewa</i> ”; background, setting, and summary of Act One.
3	African Drama	Detailed analysis of <i>The Marriage of Anansewa</i> (Acts Two–Three); themes, plot, and characterization.
4	African Drama	Continued study of <i>The Marriage of Anansewa</i> ; moral lessons, style, and dramatic techniques.
5	<b>Midterm Examination</b>	Assessment of first half of the term’s work.
6	Non-African Drama	Study of <i>Robert Bolt</i> – “ <i>A Man for All Seasons</i> ”; background of the playwright, setting, and Acts One–Two.
7	<b>Midterm Break</b>	—
8	Non-African Drama	Continued analysis of <i>A Man for All Seasons</i> ; themes, characterization, and style.
9	Non-African Drama	Study of <i>J.D. Priestley</i> – “ <i>An Inspector Calls</i> ”; background, plot summary, and character analysis.
10	Non-African Drama	Themes and dramatic techniques in <i>An Inspector Calls</i> ; moral and social significance.
11	<b>Revision</b>	General review of all drama texts and poems.
12	<b>Examination</b>	End of term examinations.
13	<b>Closing</b>	End of term activities.

## SS2 CATERING AND CRAFT SCHEME OF WORK

### FIRST TERM

WEEK	TOPIC	CONTENT
1	Welcome Test / Revision	Review of last term's work and recall of previous topics
2	Introduction to Bar	Meaning of bar, types of bar, functions of bar, factors to consider when planning a bar
3	Bar Equipment and Functions	Identification and uses of different bar equipment
4	Introduction to Beverages	Meaning and types of beverages (alcoholic and non-alcoholic)
5	<b>Midterm Test</b>	Assessment of weeks 1–4
6	Beverages in Relation to Still Room	Meaning, functions, food items and equipment in a still room
7	<b>Midterm Break</b>	—
8	The Service Area / Ancillary Service Area	Description, rooms in ancillary service area
9	Dispense Bar Equipment and Arrangement	Types of dispense bar equipment and arrangement
10	Demonstration on Preparation and Serving of Beverages	Practical preparation and serving of different beverages
11	<b>Revision</b>	General revision of the term's work
12	<b>Examination</b>	End of term exams
13	<b>Closing</b>	Vacation

## SS2 CATERING AND CRAFT SCHEME OF WORK

### SECOND TERM

WEEK	TOPIC	CONTENT
1	Welcome Test / Revision	Review of last term's work
2	Introduction to Kitchen Equipment	Classification, uses, care and maintenance
3	Standing and Local Measuring Equipment	Identification and use of local and standard measuring tools
4	Cleaning Agents	Meaning, classification, importance, and local cleaning agents
5	<b>Midterm Test</b>	Assessment of weeks 1-4
6	Methods of Cooking I	Boiling (stocks, soups, sauces), preparation and demonstration
7	<b>Midterm Break</b>	—
8	Methods of Cooking II	Roasting, grilling, barbecue (with demonstration)
9	Methods of Cooking III	Baking (cakes, pastries, biscuits, cookies, scones)
10	Cake Decoration	Royal icing, fondant, butter icing
11	<b>Revision</b>	General revision of the term's work
12	<b>Examination</b>	End of term exams
13	<b>Closing</b>	Vacation

## SS2 CATERING AND CRAFT SCHEME OF WORK

### THIRD TERM

WEEK	TOPIC	CONTENT
1	Welcome Test	Review of last term's work
2	Costume and Fashion Designing	Meaning, style development, sketching and pattern making
3	Adaptation of Basic Block for Costume Design	Drafting, construction, use of different style features
4	Decorative Design: Embroidery Work I	Satin, stem, chain stitches; planning embroidery
5	<b>Midterm Test</b>	Assessment of weeks 1–4
6	Decorative Design: Embroidery Work II	Types of embroidery work; transferring designs to fabrics
7	<b>Midterm Break</b>	—
8	Decorative Design: Traditional Design & Needlecraft	Beads, sequins, traditional designs, needlecraft and toy-making
9	Basic Concepts of Marketing	Meaning, methods, importance, distribution channels
10	Marketing (Continued)	Branding, packaging, costing, pricing, feasibility study, product packaging
11	<b>Revision</b>	General revision of the term's work
12	<b>Examination</b>	End of term exams
13	<b>Closing</b>	Vacation

## SS2 FINANCIAL ACCOUNTING SCHEME OF WORK

### FIRST TERM

Week	Topic	Content Breakdown
1	Profit and Loss Appropriation Account	Meaning and purpose; differences between profit and loss account and profit and loss appropriation account; items appearing in the account (interest on drawings, interest on capital, partners' salary, partners' commission, share of profit/loss).
2	Partnership Capital Account	Definition; features of capital accounts; distinction between fixed and fluctuating capital accounts; format and preparation.
3	Partnership Current Account	Meaning; purpose; format of current account; items affecting current account (drawings, interest on drawings, partners' salary, interest on capital, share of profit/loss).
4	Current Account in Partnership Accounting	Relationship between capital and current accounts; preparation of current accounts under fixed capital method; worked examples.
5	Midterm Examination	–
6	Admission of a New Partner and Goodwill Account	Meaning of goodwill; types (purchased and inherent); methods of valuation; treatment of goodwill on admission of a new partner; revaluation of assets and liabilities.
7	Midterm Break	–
8	Receipts and Payments Account / Income and Expenditure Account	Meaning; features; differences between receipts and payments account and income and expenditure account; preparation of accounts.
9	Single Entry (Incomplete Records)	Meaning; limitations; conversion of single entry to double entry; statement of affairs method; preparation of final accounts from incomplete records.
10	Revision	Review of first term's work.
11	Examination	–
12	Closing	–

## SS2 FINANCIAL ACCOUNTING SCHEME OF WORK

### SECOND TERM

Week	Topic	Content Breakdown
1	Formation of a Company	Meaning of a company; steps and procedures in formation (promotion, incorporation, flotation); documents required (memorandum of association, articles of association, prospectus, certificate of incorporation).
2	Private and Public Companies	Meaning and differences; features of private and public companies; advantages and disadvantages of each.
3	Quoted and Unquoted Companies	Definition; differences; examples of quoted companies in Nigeria; requirements for listing on the stock exchange.
4	Financial System	Meaning; components (money market, capital market, insurance, banking system, pension funds); importance of the financial system to economic growth.
5	Midterm Examination	–
6	Issue of Shares	Meaning; types of shares (ordinary, preference, deferred); methods of issue (public offer, rights issue, bonus issue); accounting entries for share issue.
7	Midterm Break	–
8	Loan Capital	Meaning; types of loan capital (debentures, bonds, bank loans); advantages and disadvantages; accounting treatment of loan capital.
9	Revision	Review of second term's work.
10	Examination	–
11	Closing	–

## SS2 FINANCIAL ACCOUNTING SCHEME OF WORK

### THIRD TERM

Week	Topic	Content Breakdown
1	Methods of Raising Funds from the Capital Market	Public issue, rights issue, private placement, offer for sale, government bonds; advantages and disadvantages of each method.
2	Requirements for Accessing the Capital Markets	Regulatory requirements; eligibility criteria for companies; role of Securities and Exchange Commission (SEC) and Nigerian Stock Exchange (NSE).
3	Benefits of Capital Market	Importance to companies, investors, and the economy; mobilization of savings, liquidity, capital formation, and wealth creation.
4	Final Accounts	Meaning; preparation of trading, profit and loss account and balance sheet; adjustments in final accounts (depreciation, prepayments, accruals, bad debts, provision for doubtful debts).
5	Midterm Examination	–
6	Regulation of the Capital Market	Role of regulatory agencies (SEC, NSE, CBN); laws and policies guiding the capital market; investor protection.
7	Midterm Break	–
8	Hire Purchase and Installment Payment Account	Meaning; differences between hire purchase and installment payment; accounting entries; preparation of relevant accounts.
9	Revision	Review of third term's work.
10	Examination	–
11	Closing	–

## SS2 COMMERCE SCHEME OF WORK

### FIRST TERM

Week	Topic	Content Breakdown
1	Advertising I	Meaning and importance of advertising; types of advertising (informative, persuasive, competitive).
2	Advertising II	Media of advertising (print, electronic, outdoor); advantages and disadvantages of each medium.
3	Tourism in Nigeria	Meaning and importance of tourism; tourist centers in Nigeria; role of tourism in economic development.
4	Insurance	Meaning and principles of insurance; types of insurance (life, marine, fire, accident); importance to business and individuals.
5	Midterm Examination	–
6	Banking I	Meaning and types of banks; roles of commercial banks in business transactions.
7	Midterm Break	–
8	Banking II	Central Bank of Nigeria: roles, functions, and control of commercial banks.
9	Banking III	Development banks, merchant banks, microfinance banks; their contributions to economic growth.
10	Warehousing	Meaning and importance of warehousing; types of warehouses; functions in commerce.
11	Revision	Review of first term's work.
12	Examination	–
13	Closing	–

**SS2 COMMERCE SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content Breakdown</b>
1	Capital	Meaning and types of capital (fixed, working, liquid, loan); importance of capital to business.
2	Credit	Meaning and importance of credit; types of credit (trade, bank, hire purchase); advantages and disadvantages.
3	Profit	Meaning and types of profit; importance of profit to business; factors affecting profit.
4	Turnover	Meaning and calculation of turnover; importance in business operations.
5	Midterm Examination	–
6	Business Law	Meaning and importance; contracts in business; rights and obligations of parties.
7	Midterm Break	–
8	Structure of Business	Types of business organizations (sole proprietorship, partnership, companies, cooperatives).
9	Introduction to Business Management I	Meaning and importance; functions of management – planning and organizing.
10	Introduction to Business Management II	Functions of management – directing, coordinating, controlling.
11	Revision	Review of second term's work.
12	Examination	–
13	Closing	–

**SS2 COMMERCE SCHEME OF WORK**

**THIRD TERM**

<b>Week</b>	<b>Topic</b>	<b>Content Breakdown</b>
1	Introduction to Marketing	Meaning and importance of marketing; difference between marketing and selling.
2	Consumer Protection I	Meaning and importance of consumer protection; rights of consumers.
3	Consumer Protection II	Agencies for consumer protection in Nigeria; challenges of consumer protection.
4	Meaning of Payment I	Meaning and importance; traditional methods of payment (cash, cheque, bank draft).
5	Midterm Examination	–
6	Meaning of Payment II	Modern methods of payment (ATM, POS, electronic transfer, mobile banking).
7	Midterm Break	–
8	Deregulation, Nationalization, Indigenisation I	Meaning and features of deregulation, nationalization, and indigenisation.
9	Deregulation, Nationalization, Indigenisation II	Advantages, disadvantages, and effects on the Nigerian economy.
10	Revision	Review of third term's work.
11	Examination	–
12	Closing	–

## SS2 MARKETING SCHEME OF WORK

### FIRST TERM

Week	Topic	Content Breakdown
1	Transportation	Meaning of transportation; types (land, water, air, pipeline); importance in marketing; problems and solutions.
2	Warehousing	Meaning; types of warehouses (private, public, bonded, cooperative, state); functions and importance in marketing.
3	Structure and Market Unions for Sales of Goods	Meaning and types of market structures; functions of market unions and associations in goods distribution.
4	Meaning and Roles of Facilitators	Meaning; types of marketing facilitators (agents, brokers, wholesalers, retailers); their roles and importance.
5	Midterm Examination	–
6	Marketing of Mineral Products	Features of mineral products; channels of distribution; problems and prospects of marketing mineral products.
7	Midterm Break	–
8	International Marketing	Meaning and scope; importance of international marketing; challenges faced by Nigerian marketers.
9	Organizing for International Marketing	Organizational structures; roles of government; methods of entry into international markets.
10	Application of ICT in International Marketing	Meaning of ICT; roles of ICT in modern marketing; e-commerce, online advertising, digital platforms.
11	Revision	Review of first term's work.
12	Examination	–
13	Closing	–

**SS2 MARKETING SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content Breakdown</b>
1	Planning for Personal Marketing Outlet	Steps in establishing an outlet; location, capital, staffing, product selection; risks and management.
2	Purchasing, Supplying and Merchandising of Goods and Services	Meaning of purchasing and supplying; methods of merchandising; importance of merchandising in marketing.
3	Marketing of Services	Meaning; characteristics of services; types of services; problems and prospects of marketing services.
4	Consumer Behavior	Meaning; factors affecting consumer behavior (cultural, social, psychological, economic); consumer decision-making process.
5	Midterm Examination	–
6	Product Life Cycle	Meaning; stages (introduction, growth, maturity, decline); strategies for each stage.
7	Midterm Break	–
8	Branding and Packaging	Meaning; types of branding; importance of branding and packaging; problems in branding.
9	Pricing Policies and Strategies	Meaning; types of pricing policies (penetration, skimming, cost-plus, competitive); factors influencing pricing.
10	Channels of Distribution	Meaning; types of distribution channels; advantages and disadvantages; role of intermediaries.
11	Revision	Review of second term's work.
12	Examination	–
13	Closing	–

## SS2 MARKETING SCHEME OF WORK

### THIRD TERM

Week	Topic	Content Breakdown
1	Sales Promotion	Meaning; methods (discounts, coupons, free samples, exhibitions); importance and limitations.
2	Advertising	Meaning; types (print, broadcast, outdoor, online); importance and limitations of advertising.
3	Personal Selling	Meaning; qualities of a good salesperson; importance; challenges of personal selling.
4	Public Relations in Marketing	Meaning of public relations; functions in marketing; tools and strategies; importance.
5	Midterm Examination	–
6	Consumer Protection	Meaning; rights of consumers; agencies for consumer protection in Nigeria; problems and solutions.
7	Midterm Break	–
8	Contemporary Issues in Marketing	Digital marketing, social media marketing, e-commerce, globalization of marketing.
9	Careers in Marketing	Different career paths in marketing; skills and qualifications needed; prospects.
10	Revision	Review of third term's work.
11	Examination	–
12	Closing	–

## SS2 ECONOMICS SCHEME OF WORK

### FIRST TERM

Week	Topic	Content Breakdown
1.	Elementary Treatment of Fiscal Policy	Meaning of fiscal policy; tools of fiscal policy (taxation, government expenditure); objectives and limitations.
2.	Balanced and Unbalanced Budget	Meaning and differences; effects on the economy; advantages and disadvantages of each.
3.	Elements of National Income Accounting	Meaning and concepts: GDP, GNP, NNP, NI, PI, DI; methods of measuring national income; uses and limitations of national income data.
4.	Money: Demand for and Supply of Money	Definition of money; demand for money (transactionary, precautionary, speculative motives); supply of money and determinants.
5.	Midterm Examination	–
6.	Money: Inflation and Deflation	Meaning, types, causes and effects of inflation and deflation; control measures.
7.	Midterm Break	–
8.	Economic Lessons from Asian Tigers, Japan, Europe, and America	Overview of economic growth in Asian Tigers; lessons Nigeria can learn from Japan, Europe, and America.
9.	Human Capital Development	Meaning, importance, problems and solutions to human capital development in Nigeria.
10.	Petroleum and the Nigerian Economy	History of petroleum in Nigeria; contributions to GDP; problems associated with dependence on oil; diversification strategies.
11.	Revision	Review of first term's work.
12.	Examination	–
13.	Closing	–

## SS2 ECONOMICS SCHEME OF WORK

### SECOND TERM

Week	Topic	Content Breakdown
1.	Manufacturing and Construction Service Industries	Meaning, features, importance and problems of manufacturing and construction industries in Nigeria.
2.	Agencies that Regulate the Financial Markets	Overview of financial markets; types of regulatory agencies.
3.	Functions and Role of Regulatory Agencies (I)	CBN, NDIC, SEC – functions, importance and challenges.
4.	Functions and Role of Regulatory Agencies (II)	NSE, Insurance Commission, Ministry of Finance – functions and roles.
5.	Midterm Examination	–
6.	International Trade	Meaning, types, importance and problems; theories of absolute and comparative advantage.
7.	Midterm Break	–
8.	Economic Growth and Development	Meaning and distinction between growth and development; indicators; problems and strategies for promoting growth.
9.	Balance of Payments (BOP)	Meaning, components, causes of disequilibrium, measures for correcting BOP problems.
10.	Revision	Review of term's work.
11.	Examination	–
12.	Closing	–

## SS2 ECONOMICS SCHEME OF WORK

### THIRD TERM

Week	Topic	Content Breakdown
1.	Economic Development Planning	Meaning and objectives of planning; types of plans; problems of planning in Nigeria.
2.	International Economic Organization (I)	IMF, World Bank – objectives, roles, benefits and criticisms.
3.	International Economic Organization (II)	ECOWAS, AU, WTO – aims, achievements and challenges.
4.	Current Economic Plans: MDGs, NEEDS, Vision 2020	Meaning, objectives, achievements, challenges and evaluation of MDGs, NEEDS, and Vision 2020.
5.	Midterm Examination	–
6.	Economic Development Challenges	Corruption, unemployment, poverty, poor infrastructure; effects on Nigeria's development.
7.	Midterm Break	–
8.	Economic Reform Programs	SAP, deregulation, privatization, commercialization – objectives, benefits and problems.
9.	Past Question Drilling (I)	Practice of WAEC/NECO past questions on SS2 topics.
10.	Past Question Drilling (II)	More past question practice and test drills.
11.	Revision	General review of the year's work.
12.	Examination	–
13.	Closing	–

## **TRADE SUBJECTS IN SS 2**

1. Solar Photovoltaic Installation and Maintenance
2. Fashion Design and Garment Making
3. Livestock Farming
4. Beauty and Cosmetology
5. Computer Hardware and GSM Repairs
6. Horticulture and Crop Production

## SS2 SOLAR PHOTOVOLTAIC INSTALLATION & MAINTENANCE

### FIRST TERM

Week	Topic	Content Breakdown
1	Review of SS1 Work	Quick recap of solar basics & components
2	Advanced PV System Design	Hybrid systems, grid-tied calculations
3	Solar Energy Storage Technologies	Advanced batteries (Li-ion, flow batteries)
4	Energy Efficiency in Solar Systems	Energy conservation measures
5	<b>Midterm Test</b>	
6	Safety in PV Installation	Personal protective equipment (PPE), site hazards
7	<b>Midterm Break</b>	
8	Nigerian & International Standards	SON, NERC, IEC standards
9	Electrical Codes & Regulations	Wiring codes, safety compliance
10	Practical: Grid-tied Solar Setup	Demonstration with inverters and grid connection
11-13	Revision & Exams	

## SS2 SOLAR PHOTOVOLTAIC INSTALLATION & MAINTENANCE

### SECOND TERM

Week	Topic	Content Breakdown
1	Solar Water Pumping Systems	Design, applications in agriculture
2	Solar Street Lighting Systems	Components, installation, maintenance
3	Solar Home Systems	Standalone kits, plug-and-play designs
4	Advanced Wiring Techniques	Conduits, trunking, cable protection
5	<b>Midterm Test</b>	
6	PV System Maintenance I	Preventive maintenance – cleaning panels, checking terminals
7	<b>Midterm Break</b>	
8	PV System Maintenance II	Troubleshooting faults, replacing components
9	Monitoring & Performance Evaluation	Using meters and software for performance
10	Practical: Maintenance of Installed Systems	Cleaning, testing, fault-finding
11–13	Revision & Exams	

## SS2 SOLAR PHOTOVOLTAIC INSTALLATION & MAINTENANCE

### THIRD TERM

Week	Topic	Content Breakdown
1	Introduction to Solar Entrepreneurship	Opportunities in Nigeria
2	Business Skills in Solar Sector	Proposal writing, tendering
3	Costing & Pricing of Solar Systems	Bill of quantities, cost analysis
4	Customer Service & Support	Handling clients, after-sales service
5	<b>Midterm Test</b>	
6	Project Management in Solar Installations	Time, resources, quality control
7	<b>Midterm Break</b>	
8	Case Studies of Nigerian Solar Projects	Rural electrification, mini-grids
9	Practical: Business Simulation	Preparing a proposal for a 5kVA solar system
10	Field Visit	Visit to a solar company/installation site
11-13	Revision & Exams	

## SS2 FASHION DESIGN & GARMENT MAKING

### FIRST TERM

Week	Topic	Content Breakdown
1	Review of SS1 Work	Core concepts recap
2	Advanced Pattern Drafting	Combination styles
3	Advanced Garment Construction I	Children's wear
4	Advanced Garment Construction II	Men's shirt & trousers
5	<b>Midterm Test</b>	
6	Advanced Garment Construction III	Women's blouse & skirt
7	<b>Midterm Break</b>	
8	Collars & Necklines	Types & sewing methods
9	Sleeves & Cuffs	Types & sewing methods
10	Practical: Constructing a 2-piece Outfit	
11-13	Revision & Exams	

**SS2 FASHION DESIGN & GARMENT MAKING**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content Breakdown</b>
1	Fastenings & Openings I	Zippers, buttons, buttonholes
2	Fastenings & Openings II	Hooks, snaps, Velcro
3	Pockets	Types (patch, side, welt)
4	Waistbands & Facings	Types & applications
5	<b>Midterm Test</b>	
6	Lining & Interlining	Types, uses, application
7	<b>Midterm Break</b>	
8	Trimmings & Decorative Features	Lace, braids, appliqué
9	Fashion Accessories	Belts, hats, scarves, bags
10	Practical: Constructing a Complete Outfit	
11–13	Revision & Exams	

## SS2 FASHION DESIGN & GARMENT MAKING

### THIRD TERM

Week	Topic	Content Breakdown
1	Fashion Illustration I	Tools & basic sketches
2	Fashion Illustration II	Figure drawing, garment detailing
3	Colour & Design Principles	Colour wheel, harmony, balance
4	Textile Design	Tie & dye, batik
5	<b>Midterm Test</b>	
6	Nigerian Traditional Clothing	Styles from Hausa, Igbo, Yoruba, others
7	<b>Midterm Break</b>	
8	Contemporary African Fashion	Modern trends
9	Fashion Shows & Exhibitions	Organization, models, presentation
10	Practical: Mini Fashion Show	
11–13	Revision & Exams	

## SS2 LIVESTOCK FARMING SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Introduction to Aquaculture	Meaning and importance of fish farming; Systems of aquaculture (extensive, semi-intensive, intensive)
2	Fish Pond Construction	Site selection, pond design, pond preparation
3	Fish Breeds and Fingerlings	Common fish species in Nigeria (catfish, tilapia); Fingerling production
4	Fish Nutrition and Feeding	Fish feed types; Feed formulation; Feeding methods
5	Midterm Test	–
6	Fish Health and Disease	Common fish diseases; Symptoms, prevention, treatment
7	Midterm Break	–
8	Fish Harvesting	Methods of harvesting; Processing of fish
9	Fish Marketing	Storage, transportation, sales channels
10	Economics of Aquaculture	Cost–benefit analysis; Record keeping; Challenges of fish farming
11	Revision	–
12	Examination	–
13	Closing	–

## SS2 LIVESTOCK FARMING SCHEME OF WORK

### SECOND TERM

Week	Topic	Content
1	Snail Farming I	Importance; Housing and equipment; Feeding
2	Snail Farming II	Breeding; Management; Harvesting and marketing
3	Honey Bee Keeping (Apiculture) I	Importance of honey bees; Bee species; Beekeeping equipment
4	Honey Bee Keeping II	Apiary management; Honey extraction and processing
5	Midterm Test	–
6	Grasscutter Farming	Importance; Housing; Feeding; Breeding
7	Midterm Break	–
8	Animal Health I	Common livestock parasites (internal & external); Prevention and control
9	Animal Health II	Veterinary drugs; Vaccination programmes; Quarantine practices
10	Pasture and Forage Crops	Types of pasture; Cultivation; Conservation (silage, hay)
11	Revision	–
12	Examination	–
13	Closing	–

## SS2 LIVESTOCK FARMING SCHEME OF WORK

### THIRD TERM

Week	Topic	Content
1	Introduction to Livestock Economics	Principles of farm management; Enterprise budgeting
2	Farm Records and Accounts	Types of records; Importance of records; Practical record keeping
3	Marketing of Livestock Products I	Channels of distribution; Pricing; Market surveys
4	Marketing of Livestock Products II	Packaging; Branding; Export opportunities
5	Midterm Test	–
6	Value Addition in Livestock	Processing meat, milk, hides, skins; By-products
7	Midterm Break	–
8	Cooperative Societies in Livestock	Roles of cooperatives; Benefits to farmers
9	Government Policies in Livestock Farming	Subsidies; Extension services; Regulations
10	Contemporary Issues	Climate change impact on livestock; Biosecurity measures
11	Revision	–
12	Examination	–
13	Closing	–

**SS2 BEAUTY AND COSMETOLOGY SCHEME OF WORK**

**FIRST TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Advanced Hair Styling I	Wigs and hair extensions
2	Advanced Hair Styling II	Relaxing, perming and rebonding
3	Hair Colouring	Types of dyes; Application methods; Safety precautions
4	Hair Cutting	Basic techniques; Use of clippers and scissors
5	Midterm Test	–
6	Advanced Makeup I	Bridal makeup; Stage and fashion makeup
7	Midterm Break	–
8	Advanced Makeup II	Special effects makeup; Aging and fantasy looks
9	Cosmetic Product Formulation I	Natural cosmetics (soaps, scrubs, oils)
10	Cosmetic Product Formulation II	Perfume and cream making
11	Revision	–
12	Examination	–
13	Closing	–

**SS2 BEAUTY AND COSMETOLOGY SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Salon Management I	Setting up a beauty salon; Layout and equipment
2	Salon Management II	Customer service; Client consultation
3	Business Skills I	Pricing services; Record keeping; Marketing strategies
4	Business Skills II	Branding; Packaging of products
5	Midterm Test	–
6	Entrepreneurship in Cosmetology	Starting small businesses in beauty industry
7	Midterm Break	–
8	Spa and Wellness Therapy I	Massage techniques; Aromatherapy
9	Spa and Wellness Therapy II	Hydrotherapy; Stress management
10	Occupational Hazards in Cosmetology	Chemical exposure; Posture problems; Safety measures
11	Revision	–
12	Examination	–
13	Closing	–

## SS2 BEAUTY AND COSMETOLOGY SCHEME OF WORK

### THIRD TERM

Week	Topic	Content
1	Dermatology Basics for Beauticians	Layers of skin; Skin types; Functions
2	Cosmetic Dermatology I	Anti-aging treatments; Acne treatment methods
3	Cosmetic Dermatology II	Laser and modern technologies in beauty
4	Hair Removal Methods	Shaving, waxing, threading, laser
5	Midterm Test	–
6	International Beauty Trends	Global styles; Modern innovations
7	Midterm Break	–
8	Ethics in Beauty and Cosmetology	Professional conduct; Confidentiality
9	Regulation of Cosmetic Products	NAFDAC, SON; Safety standards
10	Sustainable Beauty Practices	Eco-friendly products; Green cosmetology
11	Revision	–
12	Examination	–
13	Closing	–

## SS2 COMPUTER HARDWARE AND GSM REPAIRS

### FIRST TERM

Week	Topic	Content
1	Review of SS1 Work	Questions and answers on key areas
2	Computer Storage Devices	HDD, SSD, optical drives, flash drives
3	Advanced Computer Components	Graphics card, sound card, expansion slots
4	Computer Troubleshooting I	POST errors, beep codes, diagnostic steps
5	Midterm Examination	–
6	Computer Troubleshooting II	Boot failures, overheating, blue screen
7	Midterm Break	–
8	Maintenance of GSM Tools	Care of soldering iron, hot air gun, multimeter
9	GSM Circuit Boards	Identification of ICs, resistors, capacitors
10	GSM Circuit Tracing	Using multimeter for fault detection
11	Revision	–
12	Examination	–
13	Closing	–

## SS2 COMPUTER HARDWARE AND GSM REPAIRS

### SECOND TERM

Week	Topic	Content
1	Review of GSM Hardware	Recap of SS1 GSM faults
2	GSM Power Section	Charging IC, power IC, battery connectors
3	GSM Audio Section	Speaker, earpiece, microphone faults
4	GSM Display Section	Screen replacement, LCD vs OLED
5	Midterm Examination	–
6	GSM Network Section	Antenna, RF IC, signal problems
7	Midterm Break	–
8	Software Flashing	Flashing Android devices, drivers, tools
9	Unlocking GSM Devices	IMEI repair, SIM unlocking, FRP bypass
10	Data Recovery Techniques	Memory card, internal storage recovery
11	Revision	–
12	Examination	–
13	Closing	–

## SS2 COMPUTER HARDWARE AND GSM REPAIRS

### THIRD TERM

Week	Topic	Content
1	Advanced Computer Repairs I	BIOS update, OS reinstallation
2	Advanced Computer Repairs II	Hardware upgrades: RAM, HDD, GPU
3	Computer Viruses and Security	Types, prevention, antivirus tools
4	Networking Setup	LAN, Wi-Fi, network troubleshooting
5	Midterm Examination	–
6	GSM Software Optimization	Rooting, custom ROMs, updates
7	Midterm Break	–
8	Troubleshooting GSM Software Issues	Boot loop, app crashes, malware
9	Internet Connectivity Issues	Hotspot, APN, mobile data faults
10	Small-Scale ICT Business	Setting up GSM/computer repair shop
11	Revision	–
12	Examination	–
13	Closing	–

## SS2 HORTICULTURE AND CROP PRODUCTION

### FIRST TERM

Week	Topic	Content
1	Horticultural Crop Improvement	Aims, methods: selection, hybridization
2	Genetic Principles in Crop Production	Mendel's laws, applications
3	Biotechnology in Horticulture	Tissue culture, GM crops
4	Organic Horticulture	Principles, practices, benefits
5	Midterm Examination	–
6	Greenhouse Technology	Structures, benefits, challenges
7	Midterm Break	–
8	Urban and Peri-Urban Horticulture	Rooftop gardens, hydroponics
9	Agroforestry	Meaning, practices, importance
10	Environmental Sustainability in Horticulture	Soil conservation, water management
11	Revision	–
12	Examination	–
13	Closing	–

## SS2 HORTICULTURE AND CROP PRODUCTION

### SECOND TERM

Week	Topic	Content
1	Crop Rotation	Principles, advantages, examples
2	Mixed Cropping and Intercropping	Definitions, benefits, limitations
3	Crop Yield Measurement	Methods, importance
4	Farm Mechanization in Crop Production	Simple machines, advantages, limitations
5	Midterm Examination	–
6	Irrigation Systems	Modern methods, water conservation
7	Midterm Break	–
8	Storage Structures	Silos, barns, refrigerators, cold rooms
9	Agricultural Extension Services	Roles, importance in crop production
10	Agricultural Cooperatives	Functions, advantages, challenges
11	Revision	–
12	Examination	–
13	Closing	–

## SS2 HORTICULTURE AND CROP PRODUCTION

### THIRD TERM

Week	Topic	Content
1	Cereal Crops	Maize, rice, sorghum, millet (cultivation practices)
2	Leguminous Crops	Cowpea, soybean, groundnut
3	Tuber Crops	Cassava, yam, cocoyam, potato
4	Oil Crops	Palm, coconut, sunflower
5	Midterm Examination	–
6	Vegetables	Tomato, okra, pepper, spinach
7	Midterm Break	–
8	Fruits	Mango, citrus, banana, pineapple
9	Spices and Condiments	Ginger, garlic, pepper, cloves
10	Medicinal Plants	Neem, moringa, aloe vera
11	Revision	–
12	Examination	–
13	Closing	–

# **SENIOR SECONDARY THREE SCHEME OF WORK**

## **(NEW NERDC SCHEME)**

- 1. English Language**
- 2. General Mathematics**
- 3. Citizenship and Heritage Studies**
- 4. Digital Technologies**
- 5. Biology**
- 6. Chemistry**
- 7. Physics**
- 8. Agriculture**
- 9. Further Mathematics**
- 10. Foods & Nutrition**
- 11. Geography**
- 12. Technical Drawing**
- 13. Nigerian History**
- 14. Government**
- 15. Christian Religious Studies**
- 16. Visual Arts**
- 17. Literature in English**
- 18. Catering craft**
- 19. Accounting**
- 20. Commerce**
- 21. Marketing**
- 22. Economics**
- 23. Trade subjects (Students to choose one trade subject)**
  - 1) Solar Photovoltaic installation and maintenance**
  - 2) Fashion design and garment making**
  - 3) Livestock farming,**
  - 4) Beauty and cosmetology**
  - 5) Computer hardware and GSM repairs**
  - 6) Horticulture and crop production**

**SS3 ENGLISH LANGUAGE SCHEME OF WORK**

**FIRST TERM**

<b>WEEK</b>	<b>TOPIC</b>	<b>CONTENT BREAKDOWN</b>
1	Vocabulary Development (Culture, Institutions and Ceremonies)	Words associated with culture: ceremonies (child naming, festivals, rituals, chieftaincy, title-taking, installation). Words associated with institutions: social norms, morality, customs, social class, marriage, family life. Words related to African arts, sculpture, lyrics, age groups.
2	Spoken English – Revision of Intonation Patterns	Falling tone in statements; rising tone in yes/no questions; practice with examples.
3	Grammatical Structures – Nouns and Noun Phrases	Types of nouns (common, proper, collective, abstract); plural formation (regular and irregular); use in sentences.
4	Writing – Continuous Writing (Expository)	Writing expository essays (not more than 400 words) on current issues: external examinations, elections, plane crash, excursion, drug abuse, corruption.
5	Midterm Examination	—
6	Comprehension – Silent Reading	Reading on topical issues: population explosion, youth unemployment, youth restiveness, being your brother’s keeper, examination malpractice, corruption. Discussion of meaning of words in context and answering questions of varying difficulty.
7	Midterm Break	—
8	Summary Writing – Summarizing a Talk/Lecture	Summarizing talks/lectures on topics such as HIV/AIDS, population, corruption, environmental issues, values orientation; answering relevant summary questions.
9	Spoken English – Consonant Clusters	Words with two consonants at final position (banks, sacks, tasks, exist, thrusts); words with three consonants (scripts, crafts, twelfth); words with four consonants (sixths, twelfths, prompts, glimpsed).
10	Vocabulary Development – Motor Vehicles	Vocabulary: chassis, bonnet, trafficators, carburetor, radiator, fuel gauge, alternator, wiper, rear lights, side lights, windscreen.
11	Grammatical Structures – Pronouns	Definition, types (personal, possessive, reflexive, relative, demonstrative, indefinite), uses in sentences.
12	Listening Comprehension	Listening to speeches, radio broadcasts, recorded talks; identifying main ideas; note-taking techniques; practice with selected passages.
13	Spoken English – Words with Schwa /ə/	The schwa as final unstressed syllable in words like teacher, mother, daughter, sister, enter.

## SSS3 ENGLISH STUDIES SCHEME OF WORK

### SECOND TERM

Week	Topic	Content Breakdown
1 & 2	Vocabulary Development	Words associated with government and administration: democracy, democratic, national policy, revenue, white paper, gazette, agency, bureaucracy, cadre, circular, memorandum, agenda, minutes, permanent secretary, official rank, etc.
3	Spoken English / Listening / Writing / Grammar / Reading	Spoken English: Reading and appreciating poetry; Arguing given topics effectively. Listening: Following arguments efficiently. Writing: Writing for different audiences (teachers, headmasters, newspapers, magazines). Grammar: Adjuncts – forms and functions (time, place, manner, comparison, result). Reading: Paraphrasing dramatic works.
4	Listening / Reading / Vocabulary / Writing / Grammar	Listening: Paraphrasing poems listened to. Reading: Summarizing by outlining main points. Vocabulary: Words from foreign elements in English (Latin & Greek origin). Writing: Revising continuous writing (expository composition on current issues e.g. drug abuse, corruption). Grammar: Revising adjectival clauses.
5	Midterm Examination	Midterm test and assessment.
6	Listening / Vocabulary / Writing / Grammar	Listening: Paraphrasing poetry. Vocabulary: Words associated with law and order (police, plaintiff, tribunal, civil rights, justice, societal norms). Writing: Writing for different audiences (newspapers, magazines). Grammar: Revising complex sentences.
7	Midterm Break	School goes on midterm holiday.
8	Writing / Comprehension / Vocabulary	Writing: Report writing (official and private reports, accidents, meeting proceedings). Comprehension: Silent reading of topical issues; answering questions. Vocabulary: Idioms and idiomatic expressions (e.g. silver spoon, black sheep, bull by the horn).
9	Listening / Reading / Grammar / Writing	Listening: Following instructions accurately. Reading: Summarizing argumentative passages. Grammar: Adverbial clauses (cause, purpose, condition, contrast). Writing: Report writing (continuation).
10	Listening / Revision	Listening: Dramatic presentations – identifying themes and storylines. Revision: Drama – theme, storyline, features of a play; selected Nigerian and foreign plays.
11	Revision	General revision of all topics taught during the term.
12	Examination	End of term examination.
13	Closing	School closes for the term.

**SS3 MATHEMATICS SCHEME OF WORK****FIRST TERM**

WEEK	TOPIC	CONTENT BREAKDOWN
1	Welcome Test and Review of Difficult SS2 Topics	Review of logarithm laws; solving questions involving logarithm theory; application of logarithm to complex calculations.
2	Logic	Simple and compound statements; logical operations and their symbols; truth tables; conditional statements; indirect proof; application of truth tables in proving equivalence.
3	Application of Surds to Trigonometry	Simplifying surds in trigonometric ratios of $30^\circ$ , $45^\circ$ , and $60^\circ$ ; drawing and interpreting graphs of sine and cosine ( $0^\circ$ – $360^\circ$ ); solving trigonometric and linear equations using graphs.
4	Matrices and Determinants	Definition and order of a matrix; types of matrices; operations (addition, subtraction, multiplication); transpose of a matrix; determinants of square matrices; solving simultaneous equations using matrices.
5	Midterm Examination	—
6	Linear and Quadratic Equations	Solving simultaneous linear and quadratic equations algebraically and graphically; interpreting graphs; solving word problems including capital market applications.
7	Midterm Break	—
8	Surface Area and Volume of Spheres and Hemispheres	Finding surface area and volume of solid and hollow spheres; curved surface area of a hemisphere; solving word problems; use of charts/videos to illustrate geometry in real life.
9	Longitude and Latitude I	Identification of North/South Poles, longitude, latitude, equator, and meridian; formula for calculating length and radius of parallel of latitude; solving related problems.
10	Longitude and Latitude II	Calculations of distances between two points on the same parallel of latitude or meridian; time variations between two places using nautical rules.
11	Binary Operations	Definition; properties—closure, commutativity, associativity, distributivity, identity, inverse; solving problems involving binary operations; real-life applications.
12	Arithmetic of Finance	Simple and compound interest; annuities; depreciation; amortization; solving financial mathematics problems.
13	Revision / Examination / Closing	General revision of all topics; end-of-term examinations; closing activities.

**SS3 MATHEMATICS SCHEME OF WORK**

**SECOND TERM**

<b>WEEK</b>	<b>TOPIC</b>	<b>CONTENT BREAKDOWN</b>
1	Review of First Term Work & Financial Mathematics	Review test; introduction to bonds, debentures, shares, income tax, and value-added tax; solving problems on interest, rates, and taxation using logarithm tables.
2	Coordinate Geometry of a Straight Line	Cartesian plane; plotting linear graphs; distance between points; mid-point of a line; gradient and intercepts; application of coordinate geometry in everyday life.
3	Construction I	Locus of moving points equidistant from lines/points; circumscribed, inscribed, and escribed circles; practical construction problems.
4	Differentiation of Algebraic Functions I	Concept of limit; first principle of differentiation; derived functions; interpretation of derivatives of standard functions.
5	Midterm Examination	—
6	Differentiation of Algebraic Functions II	Application of differentiation to solve related problems; maxima, minima, and rates of change; application in business and capital markets.
7	Midterm Break	—
8	Integration of Algebraic Functions	Standard integrals; methods of integration (substitution, by parts, partial fractions); application of integration to real-life and capital market problems.
9	Functions and Mapping	Concept of function; mapping; domain, co-domain, and range; inverse functions; solving problems involving functions and their graphs.
10	General Review of Calculus	Mixed practice on differentiation and integration; real-life applications of calculus in physics, engineering, and economics.
11	Revision	General revision of all term's topics with WAEC/NECO past questions.
12	Examination	—
13	Closing	—

### SS3 CITIZENSHIP AND HERITAGE STUDIES SCHEME OF WORK

#### FIRST TERM

Week	Topic	Content Breakdown
1	Review of Citizenship Concepts	Quick revision of SS1 & SS2 content
2	National Identity & Citizenship	Components of national identity
3	Global Peace & Citizenship	Role of Nigeria in peacekeeping
4	Justice & Fairness	Social justice, equity, rule of law
5	<b>Midterm Test</b>	
6	Heritage in Modern Nigeria	Influence of tradition on contemporary life
7	<b>Midterm Break</b>	
8	Civic Entrepreneurship	Using civic skills for nation building
9	Ethics & Integrity	Importance, challenges, role in governance
10	National Rebirth & Transformation Agenda	Government initiatives & citizen participation
11-13	Revision & Exams	

**SS3 CITIZENSHIP AND HERITAGE STUDIES SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content Breakdown</b>
1	Global Issues in Citizenship	Terrorism, migration, climate change
2	Nigeria's Role in International Affairs	AU, UN, ECOWAS
3	Human Rights Protection in Nigeria	NHRC, judiciary, NGOs
4	Sustainable Development Goals (SDGs)	Concept, relevance to Nigeria
5	<b>Midterm Test</b>	
6	Youth & Citizenship	Role of youth in democracy, innovation, volunteering
7	<b>Midterm Break</b>	
8	Challenges of Nigerian Citizenship	Corruption, insecurity, poor leadership
9	Strategies for Strengthening Citizenship	Education, legislation, role of families
10	Civic Competence for Nation Building	Knowledge, skills, values required
11-13	Revision & Exams	

## SS3 CITIZENSHIP AND HERITAGE STUDIES SCHEME OF WORK

### THIRD TERM

Week	Topic	Content Breakdown
1	Consolidation of Citizenship Education	Major themes across SS1–SS3
2	National Consciousness	Meaning, importance, development
3	Preparing for Civic Roles after Secondary School	Voting, volunteering, community service
4	Global Citizenship & Future of Nigeria	Active participation in a globalized world
5	<b>Midterm Test</b>	
6	Legacy of Nigerian Heritage	Continuity, preservation, modernization
7	<b>Midterm Break</b>	
8	Mock Citizenship Project	Practical project (debate, essay, heritage preservation task)
9	SSCE Preparation	Exam focus areas & practice questions
10	Life After School	Civic life, responsibilities, opportunities
11–13	Revision & Exams	

## SS3 DIGITAL TECHNOLOGIES SCHEME OF WORK

### FIRST TERM

Week	Topic	Content Breakdown
1	Review of SS2 Work	Key concepts revision
2	Advanced Programming I	Functions, arrays/lists
3	Advanced Programming II	Object-Oriented Programming basics
4	Software Development Life Cycle (SDLC)	Phases, models (waterfall, agile)
5	<b>Midterm Test</b>	
6	Networking II	IP addressing, subnetting, protocols
7	<b>Midterm Break</b>	
8	Cloud & Virtualization	Virtual machines, remote servers
9	Internet of Things (IoT) Applications	Smart homes, smart cities
10	Data Protection & Backup Systems	Disaster recovery, redundancy
11-13	Revision & Exams	

## SS3 DIGITAL TECHNOLOGIES SCHEME OF WORK

### SECOND TERM

Week	Topic	Content Breakdown
1	Advanced Web Design	JavaScript interactivity, responsive design
2	Advanced Database Management	SQL basics, queries, reports
3	Networking III	Network security, VPNs
4	Digital Project Management	Tools (Trello, MS Project), teamwork
5	<b>Midterm Test</b>	
6	Emerging Tech III	Quantum computing, nanotechnology
7	<b>Midterm Break</b>	
8	Revision of SSCE Past Questions I	Theory + practical
9	Revision of SSCE Past Questions II	Case studies, applied ICT
10	Mock Exam Prep	
11-13	Revision & Exams	

## SS3 DIGITAL TECHNOLOGIES SCHEME OF WORK

### THIRD TERM

Week	Topic	Content Breakdown
1	Comprehensive Revision of SS1–SS3	Overview of major areas
2	Past Question Drills (WAEC/NECO)	Theory, objective
3	Practical Project I	Building website/app/database
4	Practical Project II	Cybersecurity simulation, IoT demo
5	<b>Midterm Test</b>	
6	Mock Examination	
7	<b>Midterm Break</b>	
8	SSCE Preparation	Exam-focused review
9–10	WAEC/NECO & Final Examinations	
11–13	Closing & Graduation	

**SS3 BIOLOGY SCHEME OF WORK**

**FIRST TERM**

<b>WEEK</b>	<b>TOPIC</b>	<b>CONTENT BREAKDOWN</b>
1	Reproductive Behaviours in Animals	Meaning of reproductive behaviour; courtship behaviour; mating systems (monogamy, polygamy, promiscuity); parental care in fishes, amphibians, birds and mammals; importance of reproductive behaviours in survival of species.
2	Biology of Heredity (Genetics I)	Concept of heredity; brief history of genetics (Gregor Mendel's experiments); terminologies—gene, allele, chromosome, genotype, phenotype, homozygous, heterozygous; Mendel's laws of inheritance with examples.
3	Genetics II	Monohybrid and dihybrid crosses; Punnett square applications; sex determination in humans; sex-linked traits (haemophilia, colour blindness); importance of genetics in agriculture and medicine.
4	Variation and Evolution I	Concept of variation; types of variation—morphological, physiological, discontinuous and continuous; causes of variation (mutation, meiosis, fertilization, environment); adaptive colouration, mimicry, and camouflage in animals.
5	Midterm Examination	—
6	Evolution II	Meaning of evolution; theories of evolution—Lamarckism and Darwinism; modern synthetic theory of evolution; evidence of evolution (fossil records, comparative anatomy, embryology, vestigial structures); natural selection and adaptation.
7	Midterm Break	—
8	Human Evolution	Origin of man; fossil evidence of human evolution (Australopithecus, Homo habilis, Homo erectus, Homo sapiens); similarities between humans and apes; cultural and biological evolution of humans.
9	Application of Genetics and Evolution	Application in agriculture (selective breeding, hybridization, genetic engineering, GMOs); application in medicine (blood transfusion, sickle cell study, genetic counselling, cloning, IVF); role of evolution in biodiversity and conservation.
10	Ethical, Social and Economic Implications of Genetics and Evolution	Ethical debates on cloning, stem cell research, GMOs; advantages and disadvantages; importance of conservation of genetic resources; relevance to Nigeria's development.
11	Revision	General revision of all topics taught in the term, with practice questions and past exam applications.
12	Examination	—
13	Closing	—

## SS3 CHEMISTRY SCHEME OF WORK

### FIRST TERM

WEEK	TOPIC	CONTENT BREAKDOWN
1	Food Chemistry	Carbohydrates, proteins, fats; their properties, reactions, and importance.
2	Drugs and Their Effects	Classification of drugs; medicinal uses; harmful chemicals and drug abuse.
3	Chemistry in Industry and Everyday Life	Applications of chemistry in food, medicine, agriculture, textiles, construction, and household products.
4	Environmental Chemistry	Types of pollution (air, water, soil, noise); causes and effects; methods of remediation.
5	Midterm Examination	Comprehensive WAEC/NECO syllabus review – overview of topics from SS1–SS3.
6	Industrial Chemistry	Chemical industries in Nigeria – petroleum, cement, soap, paint, textiles, beverages, etc.
7	Midterm Break	—
8	Revision of Organic Chemistry	Review of hydrocarbons, functional groups, reactions; practical activities and past questions.
9	Revision of Inorganic Chemistry	Periodic table, properties of selected elements, their reactions and compounds.
10	Revision of Physical Chemistry	Rates of reaction, equilibrium, gas laws, energetics.
11	Chemical Calculations Practice	Moles, molar mass, titrations, stoichiometry, empirical and molecular formulas.
12	Examination	—
13	Closing	—

## SS3 CHEMISTRY SCHEME OF WORK

### SECOND TERM

WEEK	TOPIC	CONTENT BREAKDOWN
1	Practical Chemistry Techniques	Titration, qualitative analysis (acid-base, redox, salts), preparation of gases.
2	Summary of Major Topics	Review of essential concepts across SS1–SS3.
3	Chemistry in Everyday Life	Chemistry of food, drugs, cosmetics, textiles, plastics, soaps, and detergents.
4	Exam Strategy and Time Management	Techniques for multiple-choice, essay, and practical exams; time management skills.
5	Midterm Examination	—
6	WAEC/NECO Past Questions Review	Analysis of past questions, marking schemes, common pitfalls.
7	Midterm Break	—
8	Practical Chemistry Review	Use of indicators, gas preparation and identification, salt tests.
9	Data Interpretation and Report Writing	Recording results, analysis of tables and graphs, drawing valid conclusions.
10	Final Tips and Revision	Strategies for last-minute preparation, study timetables, mental readiness.
11	Revision	General revision of SS1–SS3 chemistry.
12	Mock Examination	—
13	Closing	—

## SS3 CHEMISTRY SCHEME OF WORK

### THIRD TERM (Pre-Exam/Break Term)

WEEK	TOPIC	CONTENT BREAKDOWN
1	Intensive Revision	Consolidated revision of all SS1–SS3 topics.
2	Individual Support Sessions	Remediation for weaker students; targeted help in problem areas.
3	Final Exam Strategies	Speed, accuracy, presentation of answers, WAEC/NECO preparation.
4	Past Exam Correction Sessions	Solving WAEC/NECO past papers; error correction and feedback.
5	Midterm Examination	—
6	Group Discussion and Peer Review	Collaborative learning, question drills, team solving.
7	Midterm Break	—
8	Last-Minute Revision	Summary sheets, formula recall, quick practice.
9	Mock Final Exams	Simulated timed conditions for WAEC/NECO.
10	Performance Review and Feedback	Teacher-student conferences, individualized improvement plans.
11	Final Preparations	Confidence building, mental alertness, key focus areas.
12	Examination	—
13	Closing	—

**SS3 PHYSICS SCHEME OF WORK**

**FIRST TERM**

<b>WEEK</b>	<b>TOPIC</b>	<b>CONTENT BREAKDOWN</b>
1	Conversion of Energy	Meaning of energy conversion; principle of conservation of energy; conversion of energy from one form to another (mechanical to electrical, electrical to heat, chemical to electrical, etc.); practical demonstrations (electric iron, generator, dynamo, solar panels).
2	Transmission System	Concept of transmission; mechanical transmission systems (gears, pulleys, levers, belt drives, chain drives); electrical transmission systems (power lines, transformers); importance of efficient transmission in reducing energy loss.
3	Uses of Machines	Definition of machines; functions of simple machines; efficiency and mechanical advantage; applications of machines in everyday life (cranes, pulleys, levers, wheel and axle, hydraulic press).
4	Repair and Maintenance of Machines	Meaning of repair and maintenance; common faults in machines; importance of lubrication, cleaning, and routine checks; differences between preventive and corrective maintenance.
5	Midterm Examination	—
6	Dams and Energy Production	Types of dams (hydroelectric, irrigation, multipurpose); processes involved in hydroelectric power generation; advantages and disadvantages of dams; examples in Nigeria (Kainji, Shiroro, Jebba dams).
7	Midterm Break	—
8	Rockets and Satellites	Principles of rocket propulsion (Newton's third law of motion); types of rockets (solid fuel, liquid fuel); satellites—types (communication, navigation, weather, military); importance of satellites in modern technology.
9	Niger-SAT 1	Background of Nigeria's first satellite (2003); objectives—environmental monitoring, disaster management, agricultural planning, security; achievements and challenges of Niger-SAT 1.
10	NICOM-SAT 1	Launch of NICOM-SAT 1 (2007); uses in communication, internet services, broadcasting; challenges—satellite control and failure; impact on Nigeria's development.
11	Revision	General revision of all topics covered in the term with emphasis on applications, calculations, and problem solving.
12	Examination	—
13	Closing	—

### SS3 AGRICULTURAL SCIENCE SCHEME OF WORK

#### FIRST TERM

WEEK	TOPIC	CONTENT BREAKDOWN
1	Crop Improvement	Meaning and objectives of crop improvement; methods of crop improvement (selection, introduction, hybridization); advantages and disadvantages; importance of genetic improvement.
2	Animal Improvement	Meaning and objectives of animal improvement; methods (inbreeding, crossbreeding, artificial insemination, embryo transfer); advantages and limitations.
3	Animal Health Management	Importance of animal health; common diseases and parasites of livestock; symptoms, prevention and control measures; routine management practices for healthy animals.
4	Aquaculture	Meaning and scope; types of aquaculture systems (extensive, semi-intensive, intensive); common species cultured; management practices; importance of aquaculture in food security.
5	Midterm Examination	—
6	Apiculture (Bee Keeping)	Meaning and importance; types of bees; equipment used; management practices; products of beekeeping and their economic uses.
7	Midterm Break	—
8	Agricultural Finance	Meaning and importance; sources of agricultural finance (formal and informal); problems of agricultural finance; role of government and banks in agricultural credit.
9	Farm Records and Accounts	Meaning and importance of farm records; types of farm records (production, financial, inventory, consumption); simple farm account preparation.
10	Marketing of Agricultural Produce	Meaning and importance of agricultural marketing; functions of marketing; marketing channels; problems of agricultural marketing and solutions.
11	Agricultural Insurance	Meaning and importance; types of agricultural insurance (crop, livestock, farm equipment, produce); benefits and limitations; role of government and insurance companies.
12	Agricultural Extension	Meaning and objectives; role of agricultural extension agents; methods of extension (individual, group, mass media); problems of extension services in Nigeria.
13	Revision	General review of all topics covered during the term.
14	Examination	—

## SS3 FURTHER MATHEMATICS SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Inequalities	Quadratic inequalities; Inequalities in two dimensions.
2–3	Matrices and Determinants	Meaning of matrices; Addition, subtraction and multiplication of matrices; Matrices as linear transformations; Determinants; Solution of simultaneous equations using $2 \times 2$ and $3 \times 3$ matrices.
4	Partial Fractions	Basic definition of partial fraction; Proper rational functions with denominators as linear factors (distinct, repeated, and others).
5–6	Probability Distributions	Binomial distribution; Poisson distribution; Normal distribution; Binomial approximation by Poisson distribution.
7–8	Variance	Mean, variance, and coefficient of variation of binomial, Poisson and normal distributions.
9–10	Correlation	Concept of correlation as a measure of relationship; Scatter diagrams; Rank correlation; Tied ranks.
11	Revision	General revision of all first term topics.
12	Examination	End of term examination.

**SS3 FURTHER MATHEMATICS SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1–2	Integration	Integration as the reverse process of differentiation; Integration of algebraic polynomials including logarithmic functions; Definite integrals and application to kinematics (v–t and s–t graphs); Area under a curve; Trapezoidal rule; Volume of solids of revolution.
3–4	Conic Sections	Equations of parabola, ellipse and hyperbola in rectangular Cartesian coordinates; Parametric equations of conic sections.
5–6	Statics	Forces in equilibrium; Resultant parallel forces (same and opposite directions) acting on a rigid body; Moment of a force; Two and three forces acting at a point; Polygon of forces; Resolution of forces; Friction.
7	Modelling	Introduction to mathematical modelling; Dependent and independent variables; Construction of mathematical models; Applications to physical, biological, social and behavioural sciences.
8	Game Theory	Introduction to game theory; Types of games; Solution of two-person zero-sum games using pure and mixed strategies; Matrix games.
9	Revision	General revision of second term topics.
10	Examination	End of term examination.

**SS3 FOOD AND NUTRITION SCHEME OF WORK**

**FIRST TERM**

<b>WEEK</b>	<b>TOPIC</b>	<b>CONTENT BREAKDOWN</b>
1	Beverages	<ul style="list-style-type: none"> <li>• Explain the term beverages.</li> <li>• Classify beverages into alcoholic and non alcoholic with examples.</li> <li>• Discuss the nutritive value of beverages.</li> <li>• Highlight the characteristics of alcoholic and non alcoholic beverages.</li> </ul>
2	Beverages (Non Alcoholic)	<ul style="list-style-type: none"> <li>• Classify non alcoholic beverages.</li> <li>• Justify each class of non alcoholic beverages with examples.</li> </ul>
3	Special Diet	<ul style="list-style-type: none"> <li>• Explain the term <i>Special Diet</i>.</li> <li>• Explain the different types of vegetarian diet: strict/vegan, lacto, ovo, lacto ovo, pescatarian, pollotarian, flexitarian.</li> <li>• Differentiate between overweight and underweight diet.</li> <li>• Discuss diets for persons suffering from: HIV/AIDS, fever and infection, overweight, diarrhoea, diabetes, ulcer, etc.</li> </ul>
4	Practical on Beverages and Special Diet	<ul style="list-style-type: none"> <li>• Prepare and serve different types of beverages (cocoa, coffee, tea, fruit drinks, juice, egg flip, milk drinks, etc.).</li> <li>• Prepare and serve dishes for vegetarians, overweight, diabetic, ulcer patients, etc.</li> </ul>
5	Midterm Examination	<ul style="list-style-type: none"> <li>• Midterm Test.</li> </ul>
6	Cultural Food Habit	<ul style="list-style-type: none"> <li>• Explain food habits, food taboos, food facts, and food fallacies.</li> <li>• Analyse the factors influencing food habits.</li> <li>• Identify traditional foods associated with taboos.</li> <li>• Justify food fallacies with examples and correct facts.</li> </ul>
7	Midterm Break	<ul style="list-style-type: none"> <li>• —</li> </ul>
8	Traditional and Foreign Dishes	<ul style="list-style-type: none"> <li>• Explain the terms: traditional dishes and foreign dishes.</li> <li>• Identify traditional dishes from different localities.</li> </ul>

		<ul style="list-style-type: none"> <li>Enumerate foreign dishes (European, American, Japanese, Chinese, Indian, etc.).</li> </ul>
9	Practical on Traditional and Foreign Dishes	<ul style="list-style-type: none"> <li>Prepare and serve traditional dishes from their ethnic group.</li> <li>Prepare and serve selected foreign dishes.</li> </ul>
10	Art of Entertainment	<ul style="list-style-type: none"> <li>Explain the term <i>Entertainment</i>.</li> <li>Discuss steps in organising a party.</li> <li>Justify the different types of parties (birthday, surprise, dinner, garden, cocktail, tea, reception, costume, Christmas caroling, pool, fundraising, graduation, housewarming, welcome, farewell, etc.).</li> </ul>
11	Table Setting and Etiquette	<ul style="list-style-type: none"> <li>Explain the terms: host/hostess, guest, waiter/waitress.</li> <li>Discuss the qualities of a good host/hostess, guest, waiter/waitress.</li> <li>Explain the terms: table setting and table etiquette.</li> <li>Differentiate between formal and informal table setting requirements.</li> <li>Demonstrate table setting.</li> <li>Highlight table manners and etiquette.</li> </ul>
12	Revision	<ul style="list-style-type: none"> <li>General review of all topics covered.</li> </ul>
13	Examination and Closing	<ul style="list-style-type: none"> <li>End of Term Examinations and Closing Activities.</li> </ul>

**SS3 FOOD AND NUTRITION SCHEME OF WORK**

**SECOND TERM**

<b>WEEK</b>	<b>TOPIC</b>	<b>CONTENT BREAKDOWN</b>
1	Welcome Test & Food Service	<ul style="list-style-type: none"> <li>• Answer questions from previous topics.</li> <li>• Explain food service.</li> <li>• Differentiate between formal and informal food service.</li> <li>• Analyse different types of informal service.</li> <li>• Justify the importance of food service.</li> </ul>
2	Self Employment (Catering Enterprise)	<ul style="list-style-type: none"> <li>• Explain the terms: entrepreneur, entrepreneurship, enterprise.</li> <li>• Discuss the characteristics of entrepreneurship.</li> <li>• State advantages and disadvantages of entrepreneurship.</li> <li>• Identify factors contributing to the success of an enterprise.</li> <li>• Discuss how to set up a catering enterprise.</li> </ul>
3	Self Employment (Work Ethics and Food Packaging)	<ul style="list-style-type: none"> <li>• Explain the terms: work ethics and food packaging.</li> <li>• Discuss good work ethics.</li> <li>• Enumerate reasons for packaging food.</li> <li>• Justify types and qualities of packaging materials.</li> </ul>
4	Experimental Cookery	<ul style="list-style-type: none"> <li>• Explain the term <i>recipe</i>.</li> <li>• Identify sources of collecting information on recipes.</li> <li>• Discuss methods of collecting information for recipes.</li> <li>• Analyse the importance of collecting recipe information.</li> <li>• Justify the advantages of recipes.</li> <li>• Create a recipe.</li> </ul>
5	Midterm Examination	<ul style="list-style-type: none"> <li>• Midterm Test.</li> </ul>
6	Test Interpretation	<ul style="list-style-type: none"> <li>• Interpret given cookery test questions.</li> </ul>

		<ul style="list-style-type: none"><li>• Write out responses to cooking test questions.</li></ul>
7	Midterm Break	<ul style="list-style-type: none"><li>• —</li></ul>
8	Cooking Assignment	<ul style="list-style-type: none"><li>• Interpret given cookery test questions.</li><li>• Write out time and cooking schedules for the tests.</li></ul>
9	Practical Cookery Exercises	<ul style="list-style-type: none"><li>• Carry out selected cooking assignments.</li><li>• Apply recipe knowledge to practical cookery tasks.</li></ul>
10	Practical Assessment	<ul style="list-style-type: none"><li>• Demonstrate practical skills in food preparation.</li><li>• Present finished food items.</li><li>• Apply table setting and service techniques in practice.</li></ul>
11	Revision	<ul style="list-style-type: none"><li>• General review of all topics covered.</li></ul>
12	Examination	<ul style="list-style-type: none"><li>• Second Term Examinations.</li></ul>
13	Closing	<ul style="list-style-type: none"><li>• End of Term Activities.</li></ul>

## SS3 GEOGRAPHY SCHEME OF WORK

### FIRST TERM

WEEK	TOPIC	CONTENT BREAKDOWN
1	Denudation Processes	Meaning of denudation; agents of denudation (running water, wind, ice, waves); processes of denudation – weathering, erosion, transportation, deposition.
2	Weathering	Meaning of weathering; types of weathering (mechanical, chemical, biological); factors influencing weathering; importance and effects of weathering on the environment.
3	Mass Movements	Definition; types of mass movement (soil creep, landslides, rock fall, mudflow, solifluction, avalanches); causes and effects on human activities.
4	Climatic Change	Meaning of climate and climate change; historical and contemporary evidence; causes of climate change (natural and human); effects on environment, agriculture, and human activities; global and local responses.
5	Midterm Examination	—
6	ECOWAS	Formation and objectives; structure and functions; achievements and challenges of ECOWAS; role in regional integration.
7	Midterm Break	—
8	Trade	Meaning of trade; types of trade (internal and international); importance of trade; trade patterns in Nigeria and West Africa; problems of trade.
9	Tourism	Meaning and importance; types of tourism (domestic, international, eco-tourism, cultural tourism); tourist attractions in Nigeria and West Africa; benefits and challenges of tourism.
10	Satellite Remote Sensing	Meaning and principles; types of remote sensing (aerial photography, satellite imagery); importance and applications in geography (mapping, agriculture, environmental monitoring).
11	GIS Application	Meaning of Geographic Information Systems (GIS); components of GIS (hardware, software, data, people, methods); applications of GIS in resource management, planning, and environmental studies.
12	Revision	General review of all topics covered during the term.
13	Examination	—
14	Closing	—

## SS3 TECHNICAL DRAWING SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Engineering Designs and Working Drawing	Preparation of working drawings on the drawing table
2	Engineering Designs and Working Drawing (Continued)	Preparation of working drawings on the drawing table
3	Screw Threads, Fasteners and Locking Devices	Meaning of screw threads, fasteners, and locking devices; Identification and sketching; Uses of screws for hanging wooden materials/ doors
4	Screw Threads, Fasteners and Locking Devices (Continued)	Meaning of screw threads, fasteners, and locking devices; Identification and sketching; Uses of screws for hanging wooden materials/ doors
5	Midterm Test	–
6	Engineering Working Drawing	Reading and interpreting various engineering drawings; Preparing working drawings of simple machine parts to scale; Coupling simple machine parts (e.g., manual air pumps); Producing working drawings of machine assemblies
7	Midterm Break	–
8	Sections and Sectional Views	Meaning of sectioning; Cutting and observing internal parts of an object; Identifying different types of sections in engineering drawing; Drawing sections of simple engines and assemblies
9	Block Sectioning	Design of building floor plans and sectional views; Building elevations; Roof structures; Sketching internal part of moulded hollow block; Recognizing different roof designs
10	Block Sectioning (Continued)	Continuation of floor plans, sectional views, elevations, roof structures, hollow blocks, and roof designs
11	Revision	–
12	Examination	–
13	Closing	–

**SS3 TECHNICAL DRAWING SCHEME OF WORK**

**SECOND TERM**

<b>Week</b>	<b>Topic</b>	<b>Content</b>
1	Introduction to Computer	Meaning of computer; Common hardware components; Parts of a computer system; Using computer and software for building/engineering design; Introduction to CAD applications
2	Arches	Meaning of arches; Types of arches; Importance of arches; Identification of arches in buildings
3	Roofs	Meaning of roof; Types of roofs and roof members; Designing roofs and members; Determining roof pitch; Identifying roof designs in buildings
4	Conventional Representation of Materials and Symbols	Plumbing, electrical, and mechanical symbols; Differentiation between symbols; Application of conventional representation of materials in technical drawings
5	Midterm Test	–
6	Blueprint Reading, Reproduction Services and Merchandising	Reading and interpreting building drawings, engineering drawings, and blueprints; Methods of sourcing funds; Setting up blueprint reproduction service centers
7	Midterm Break	–
8	Blueprint Reading, Reproduction Services and Merchandising (Continued)	Continuation of blueprint interpretation, construction/production applications, and managing blueprint services
9	Computer-Aided Design (CAD)	Basic skills in using CAD software; Producing technical drawings using CAD; Comparing manual drawing and CAD
10	Computer-Aided Design (Continued)	Advanced applications of CAD in engineering and building design
11	Revision	–
12	Examination	–
13	Closing	–

## SS3 NIGERIAN HISTORY SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Islamic Movements in West Africa	Causes of Islamic movements; establishment of Muslim States in West Africa
2	The Jihads of Ahmadu Seku and Alhaji Umar	Background, causes, course, and effects of both Jihads
3	The Activities of Samori Toure	His rise, resistance against the French, and legacy
4	Muslim States and European Colonization	Effects of European expansion on Muslim States
5	<b>Midterm Examination</b>	—
6	Christian Missionary Activities in West Africa	Arrival, spread, and missionary societies
7	<b>Midterm Break</b>	—
8	Impact of Christian Missionary Activities	Religious, educational, and socio-political effects
9	Empires in Western Sudan	Ghana, Mali, Songhai: origins, administration, decline
10	Industrial Revolution and New Imperialism	Causes of European expansion and its global impact
11	<b>Revision</b>	Review of Themes 1–3
12	<b>Examination</b>	—
13	<b>Closing</b>	—

## SS3 NIGERIAN HISTORY SCHEME OF WORK

### SECOND TERM

Week	Topic	Content
1	The Berlin Conference and Partition of Africa	Causes, major decisions, and consequences for Africa
2	Colonial Subjugation and African Reaction	African resistance movements: Samori, Menelik II, Zulu, etc.
3	Colonial Rule in Africa	Systems of administration: Direct and Indirect Rule
4	Colonial Economy and Underdevelopment	Cash crop production, taxation, labour, and trade exploitation
5	<b>Midterm Examination</b>	—
6	Colonial Africa and the World Wars	Africa's role and impact of both wars
7	<b>Midterm Break</b>	—
8	Origins of Nationalism in Africa	Early resistance, the rise of educated elites, and organizations
9	Patterns of Nationalist Movements and Independence	Case studies: Ghana, Nigeria, Kenya
10	External Influences on African Nationalism	Pan-Africanism, UNO, OAU, World Wars, and global solidarity
11	<b>Revision</b>	General review of colonial and nationalist developments
12	<b>Examination</b>	—
13	<b>Closing</b>	—

## SS3 NIGERIAN HISTORY SCHEME OF WORK

### THIRD TERM

Week	Topic	Content
1	Prelude to Apartheid	Historical background, causes, and implementation in South Africa
2	Apartheid Legislation and Suppression	Laws, policies, resistance movements (ANC, Mandela, etc.)
3	The OAU (AU) and the Fight Against Apartheid	Role of African states and international organizations
4	Neo-Colonialism in Africa	Political and economic effects on development
5	<b>Midterm Examination</b>	—
6	Political and Economic Problems of Independent African States	Coups, corruption, poverty, and unequal development
7	<b>Midterm Break</b>	—
8	The Military Intervention in African Politics	Causes, examples, and consequences
9	Boundary Disputes and African Unity	Nigeria–Cameroon, Ethiopia–Eritrea, and others
10	Global Institutions and Africa	Role of AU, ECOWAS, Commonwealth, UNO, OPEC
11	Africans in the Diaspora and Global Contributions	Role of African-descended peoples in global affairs
12	<b>Revision &amp; Examination</b>	General review of Africa and global issues
13	<b>Closing</b>	—

**SS3 GOVERNMENT SCHEME OF WORK**

**FIRST TERM**

<b>WEEK</b>	<b>TOPIC</b>	<b>CONTENT BREAKDOWN</b>
1-2	Resumption Test / Military Rule in Nigeria	<ul style="list-style-type: none"> <li>• Discuss reasons for military intervention.</li> <li>• Explain the roles of government structure under military rule.</li> <li>• Describe the performance of military administration.</li> <li>• Identify ways military coups can be avoided.</li> </ul>
3	Conflict Resolution and Management	<ul style="list-style-type: none"> <li>• Explain the meaning of conflict.</li> <li>• Discuss causes of conflict.</li> <li>• Examine the consequences of conflict.</li> <li>• Identify ways of resolving conflict.</li> </ul>
4	Peace Education	<ul style="list-style-type: none"> <li>• Explain the meaning of peace.</li> <li>• Discuss the need for peace.</li> <li>• Identify ways peace can be promoted.</li> </ul>
5	The Interdependence of Nations and Globalization	<ul style="list-style-type: none"> <li>• Discuss interdependence of nations.</li> <li>• Explain Nigeria's international relations: economic, political, cultural, and social.</li> <li>• Identify advantages and disadvantages of interaction among nations.</li> </ul>
6	Nigeria's Foreign Policy I	<ul style="list-style-type: none"> <li>• Explain foreign policy.</li> <li>• Examine factors that influence Nigeria's foreign policy.</li> <li>• Outline the principles of Nigeria's foreign policy.</li> <li>• Highlight objectives of Nigeria's foreign policy.</li> </ul>
7	Midterm Test / Open Day / Midterm Break	<ul style="list-style-type: none"> <li>• —</li> </ul>
8	Nigeria's Foreign Policy II	<ul style="list-style-type: none"> <li>• Explain the origin of Africa as the centrepiece of Nigeria's policy.</li> </ul>

		<ul style="list-style-type: none"> <li>• Justify reasons for adopting Africa as the centrepiece of Nigeria’s foreign policy.</li> <li>• Highlight ways Nigeria has demonstrated Africa as the centrepiece.</li> <li>• Describe the meaning of non-alignment.</li> <li>• Identify aims and objectives of non-alignment policy.</li> <li>• Outline problems associated with non-alignment.</li> </ul>
9	International Organisation: United Nations Organisation (UNO)	<ul style="list-style-type: none"> <li>• Explain the origins and organs of UNO.</li> <li>• Outline aims and objectives of UNO.</li> <li>• Enumerate achievements of UNO.</li> <li>• Discuss problems confronting UNO.</li> </ul>
10	International Organisation: Organisation of African Unity (OAU) / African Union (AU)	<ul style="list-style-type: none"> <li>• Explain the origin of OAU/AU.</li> <li>• Outline aims and objectives of OAU/AU.</li> <li>• Enumerate achievements of OAU/AU.</li> <li>• Discuss problems confronting OAU/AU.</li> </ul>
11	International Organisation: Commonwealth	<ul style="list-style-type: none"> <li>• Explain the origin of the Commonwealth.</li> <li>• List aims and objectives.</li> <li>• Mention principles of the organisation.</li> <li>• Explain organs of the Commonwealth.</li> <li>• Identify achievements.</li> <li>• Criticize based on shortcomings.</li> </ul>
12	Revision	<ul style="list-style-type: none"> <li>• General review of all first term topics.</li> </ul>
13–14	Examination	<ul style="list-style-type: none"> <li>• End of Term Examinations.</li> </ul>

**SS3 GOVERNMENT SCHEME OF WORK**

**SECOND TERM**

<b>WEEK</b>	<b>TOPIC</b>	<b>CONTENT BREAKDOWN</b>
1–2	Resumption Test / International Organisation: ECOWAS	<ul style="list-style-type: none"> <li>• Explain the formation of ECOWAS.</li> <li>• Outline aims and objectives of ECOWAS.</li> <li>• Explain organs of ECOWAS.</li> <li>• Highlight achievements of ECOWAS.</li> <li>• Identify problems confronting ECOWAS.</li> </ul>
3–4	International Organisation: OPEC	<ul style="list-style-type: none"> <li>• Explain the formation of OPEC.</li> <li>• Outline aims and objectives.</li> <li>• Explain organs of OPEC.</li> <li>• Highlight achievements of OPEC.</li> <li>• Discuss problems confronting OPEC.</li> </ul>
5	Millennium Development Goals (MDGs) & NEPAD	<ul style="list-style-type: none"> <li>• Explain meaning of MDGs.</li> <li>• Identify achievements of MDGs by 2015.</li> <li>• Describe the term NEPAD.</li> <li>• Outline aims of NEPAD.</li> </ul>
6	E  Government, Leadership and Followership	<ul style="list-style-type: none"> <li>• Explain the meaning of e-government.</li> <li>• Give examples of e-government.</li> <li>• Discuss advantages and disadvantages of e-government.</li> <li>• Describe leadership and followership.</li> <li>• Discuss qualities of a good leader.</li> <li>• Explain roles of leaders and followers in politics and government.</li> </ul>
7	Midterm Test / Break	<ul style="list-style-type: none"> <li>• —</li> </ul>
8–11	Continuation / Practical Applications	<ul style="list-style-type: none"> <li>• (Depending on state/unified curriculum adjustments: case studies, debates, or model United Nations exercises).</li> </ul>
12	Revision	<ul style="list-style-type: none"> <li>• General review of second term topics.</li> </ul>
13–14	Examination	<ul style="list-style-type: none"> <li>• End of Term Examinations.</li> </ul>

**SS3 CHRISTIAN RELIGIOUS STUDIES SCHEME OF WORK**

**FIRST TERM**

<b>WEEK</b>	<b>TOPIC</b>	<b>CONTENT BREAKDOWN</b>
1	Civic Responsibilities	Meaning of civic responsibilities; examples (obedience to laws, payment of taxes, voting, community service); importance of civic responsibilities in nation building; biblical teachings on civic duties (Romans 13:1–7).
2	HIV/AIDS I	Meaning of HIV and AIDS; causes and modes of transmission; biblical perspectives on sexual purity; consequences of immoral living; preventive measures.
3	HIV/AIDS II	Myths and misconceptions about HIV/AIDS; effects on individuals, families, and society; role of Christians in showing care and compassion; biblical support for healthy living.
4	Independence and Self-Actualization	Meaning of independence; self-reliance and personal responsibility; ways of achieving self-actualization; biblical examples of self-reliant individuals; importance of depending on God.
5	Midterm Examination	—
6	Dignity of Labour	Meaning of labour; biblical view on work (Genesis 2:15, Proverbs 22:29); importance of dignity in labour; consequences of idleness; relevance of honest work in contemporary society.
7	Midterm Break	—
8	Christian Attitude to Corruption	Meaning of corruption; forms of corruption (bribery, fraud, nepotism, dishonesty); effects of corruption on individuals and society; biblical condemnation of corruption (Amos 5:12, Micah 6:11, Proverbs 17:23); Christian response to corruption.
9	Forgiveness	Meaning of forgiveness; biblical teachings on forgiveness (Matthew 18:21–22, Luke 15:11–32, Colossians 3:13); importance of forgiveness in Christian living; benefits of forgiveness to individuals and communities.
10	Perseverance, Wealth and Poverty	Meaning of perseverance; biblical examples (Job, Paul, Joseph); wealth—meaning, acquisition, and biblical guidelines (1 Timothy 6:6–10); poverty—causes and biblical response (Acts 4:32–35, Proverbs 19:17).
11	Revision	General revision of all topics covered.
12	Examination	—
13	Closing	—

**SS3 VISUAL ARTS SCHEME OF WORK**

**FIRST TERM**

<b>WEEK</b>	<b>TOPIC</b>	<b>CONTENT BREAKDOWN</b>
1	Drawing and Painting	<ul style="list-style-type: none"> <li>• Explain materials and tools for painting.</li> <li>• List materials and tools used for drawing and painting and use them effectively.</li> <li>• Observe objects for drawing and painting purposes.</li> <li>• Apply colours on natural objects.</li> <li>• Demonstrate uses of colour on drawn objects (nature composition drawing).</li> </ul>
2	History of Art (Western Art: Early Christian, Byzantine, Islamic, Renaissance Art)	<ul style="list-style-type: none"> <li>• Appraise Western Art such as Early Christian, Islamic, Renaissance, etc.</li> <li>• Analyse basic knowledge on surface architecture and decoration.</li> <li>• Highlight artists involved in Western Art.</li> <li>• List media used for Western Art.</li> <li>• State the characteristics of Western Art and apply skills in artwork.</li> </ul>
3	Impressionism Art Movement	<ul style="list-style-type: none"> <li>• Explain the Impressionism Art Movement of the 19th century.</li> <li>• List the artists involved in the movement.</li> <li>• Identify the style of the Impressionism Movement.</li> <li>• Mention characteristics and functions of Impressionism Art and apply them accordingly.</li> </ul>
4	Nigerian Contemporary Artists	<ul style="list-style-type: none"> <li>• Explain the history of Nigerian contemporary artists.</li> <li>• List the contribution of each artist.</li> <li>• Value and criticise the works of Nigerian contemporary artists.</li> <li>• List their areas of specialisation in the field of art.</li> </ul>

		<ul style="list-style-type: none"> <li>• Perform some creative movement skills to build artistic creativity.</li> </ul>
5	Cubism	<ul style="list-style-type: none"> <li>• Explain the Cubism Art Movement (20th century).</li> <li>• Discuss types and styles used in the Cubism Movement.</li> <li>• State characteristics of Cubism Art.</li> <li>• Mention exponents of Cubism.</li> <li>• Explain the influence of Cubism on African Art.</li> <li>• Apply Cubism skills in modern day art.</li> </ul>
6	Furniture	<ul style="list-style-type: none"> <li>• State the function of furniture.</li> <li>• Identify outlets and marketing of furniture products.</li> <li>• Use leather and fabric in furniture design.</li> <li>• Construct a piece of furniture.</li> </ul>
7	Midterm Break	<ul style="list-style-type: none"> <li>• —</li> </ul>
8	Oriental and Oceanic Art (Chinese, Japanese, Indian, Malaysian, Polynesian, Micronesian)	<ul style="list-style-type: none"> <li>• Appraise Oriental Art.</li> <li>• List characteristics of Oriental Art (Chinese, Japanese, Indian).</li> <li>• Value Oceanic Art (Malaysian, Polynesian, Micronesian).</li> <li>• Explain the historical development of Oceanic Art.</li> </ul>
9	Sculpture	<ul style="list-style-type: none"> <li>• Explain relief sculpture.</li> <li>• List and use materials, tools, and equipment in sculpture.</li> <li>• Create and craft a relief sculpture using appropriate processes.</li> <li>• Paint/finish the relief sculpture.</li> </ul>
10	Photography	<ul style="list-style-type: none"> <li>• Analyse what photography is.</li> <li>• Operate a camera.</li> </ul>

		<ul style="list-style-type: none"><li>• List and use materials and tools in photography.</li><li>• Mention terminologies in photography and apply them.</li><li>• Explain film making.</li><li>• Operate every part of a camera.</li><li>• Explain the relevance of photography in Visual Arts.</li></ul>
11	Revision	<ul style="list-style-type: none"><li>• General review of all topics covered during the term.</li></ul>
12	Examination	<ul style="list-style-type: none"><li>• First Term Examinations.</li></ul>
13	Closing	<ul style="list-style-type: none"><li>• End of term activities.</li></ul>

**SS3 VISUAL ARTS SCHEME OF WORK**

**SECOND TERM**

<b>WEEK</b>	<b>TOPIC</b>	<b>CONTENT BREAKDOWN</b>
1	Cultural and Creative Arts	<ul style="list-style-type: none"><li>• Value and appraise cultural and creative arts.</li><li>• State components of cultural and creative arts (fine art, applied art, music, dance, drama, media art, etc.).</li><li>• Highlight the functions of cultural and creative arts in society.</li><li>• Discuss the difference between fine art and applied art.</li></ul>
2	Imaginative Composition	<ul style="list-style-type: none"><li>• Explain imaginative composition.</li><li>• List types of grounds in imaginative composition (market scene, still life, festivals, village scene).</li><li>• Produce imaginative composition.</li><li>• List materials used in imaginative composition and apply them effectively.</li><li>• Organise imaginative composition painting.</li></ul>
3	Craft in Nigeria	<ul style="list-style-type: none"><li>• Explain the meaning of art and craft.</li><li>• List and use materials and tools for craft.</li><li>• Demonstrate methods of producing arts and crafts (styles and uses).</li><li>• Mention the origin/location of craft production in Nigeria.</li><li>• List the functions and characteristics of crafts and relate them to modern art.</li></ul>
4	Art Terminologies	<ul style="list-style-type: none"><li>• Explain art terminologies.</li><li>• Mention art terminologies used in the field of art.</li><li>• Apply terminologies in artwork.</li></ul>
5	General Terminologies in Two and Three Dimensional Arts	<ul style="list-style-type: none"><li>• Explain two</li><li>• and three</li><li>• dimensional artworks.</li><li>• Differentiate between two</li><li>• and three</li><li>• dimensional artworks.</li></ul>

		<ul style="list-style-type: none"> <li>List items used in two dimensional art.</li> <li>Discover more items used in two dimensional art.</li> </ul>
6	Midterm Examination	<ul style="list-style-type: none"> <li>Midterm Test.</li> </ul>
7	Midterm Break	<ul style="list-style-type: none"> <li>—</li> </ul>
8	Continuation of Two and Three Dimensional Arts	<ul style="list-style-type: none"> <li>Analyse more works in two and three dimensional arts.</li> <li>Apply knowledge of two and three dimensional designs in practical work.</li> <li>Experiment with mixed media in two and three dimensional art.</li> </ul>
9	Practical Project Work	<ul style="list-style-type: none"> <li>Engage in supervised project work using different media.</li> <li>Demonstrate creativity through selected projects.</li> <li>Present and defend completed project work.</li> </ul>
10	Appreciation of Nigerian Crafts and Arts	<ul style="list-style-type: none"> <li>Value indigenous crafts and arts.</li> <li>Discuss preservation of Nigerian crafts.</li> <li>Identify how traditional crafts influence contemporary Nigerian arts.</li> </ul>
11	Revision	<ul style="list-style-type: none"> <li>General review of all topics covered during the term.</li> </ul>
12	Examination	<ul style="list-style-type: none"> <li>Second Term Examinations.</li> </ul>
13	Closing	<ul style="list-style-type: none"> <li>End of term activities.</li> </ul>

THE WEST AFRICAN EXAMINATIONS COUNCIL  
TEST DEVELOPMENT DIVISION, PLOT 16/18 IJAIYE ROAD, OGBA  
PRIVATE MAIL BAG NO. 1076, YABA, LAGOS

HARMONIZED LIST OF LITERATURE-IN-ENGLISH TEXTS FOR THE WEST AFRICAN  
SENIOR SCHOOL CERTIFICATE EXAMINATION (WASSCE) 2026-2030

TYPE OF TEXT	SELECTED TEXT
SHAKESPEAREAN TEXT	Antony and Cleopatra
AFRICAN PROSE	1. Pede Hollist : <i>So the Path Does not Die</i> 2. Elma Shaw : <i>Redemption Road</i>
NON-AFRICAN PROSE	1. Harper Lee : <i>To Kill a Mocking Bird</i> 2. Susanne Bellefeuille : <i>Path of Lucas: The Journey He Endured</i>
AFRICAN DRAMA	1. Bosede Ademilua-Afolayan : <i>Once Upon an Elephant</i> 2. Efua Sutherland : <i>The Marriage of Anansewa</i>
NON-AFRICAN DRAMA	1. J. D. Priestley : <i>An Inspector Calls</i> 2. Robert Bolt : <i>A Man for all Seasons</i>
AFRICAN POETRY	1. Gabriel Okara : <i>Once Upon a Time</i> 2. Elizabeth L. A. Kamara : <i>New Tongue</i> 3. Wole Soyinka : <i>Night</i> 4. Niyi Osundare : <i>Not my Business</i> 5. S.O.H. Afriyie-Vidza : <i>Hearty Garlands</i> 6. Syl Cheney-Coker : <i>The Breast of The Sea</i>
NON-AFRICAN POETRY	1. Lord Byron : <i>She Walks in Beauty</i> 2. Geoffrey Chaucer : <i>The Nun's Priest's Tale (shortened)</i> 3. Seamus Heaney : <i>Digging</i> 4. Maya Angelou : <i>Still I Rise</i> 5. Fleur Adcock : <i>The Telephone Call</i> 6. Wilfred Wilson Gipson : <i>The Stone</i>

## SS3 LITERATURE-IN-ENGLISH SCHEME OF WORK

### FIRST TERM

Week	Topic	Content Breakdown
1	Welcome Test / Revision of Last Term's Work	<ul style="list-style-type: none"> <li>- Recall the previous term's work.</li> <li>-Relate Shakespeare's background to <i>Antony and Cleopatra</i>.</li> <li>-Discuss the play's historical and thematic background.</li> </ul>
2	Dramatic Personae of William Shakespeare's <i>Antony and Cleopatra</i>	<ul style="list-style-type: none"> <li>-Analyse the characters: Antony, Cleopatra, Octavius Caesar, Enobarbus, Charmian, and others.</li> <li>-Discuss relationships among the key characters and their roles in the tragedy.</li> </ul>
3	<i>Antony and Cleopatra</i> – Act I	<ul style="list-style-type: none"> <li>- Analyse the events and conflicts in Act I.</li> <li>-Discuss Antony's divided loyalty between Rome and Egypt.</li> <li>- Examine themes of love, power, and politics.</li> </ul>
4	<i>Antony and Cleopatra</i> – Act II	<ul style="list-style-type: none"> <li>-Discuss the growing tension between Antony and Caesar.</li> <li>-Analyse Cleopatra's character and her influence on Antony.</li> <li>-Examine language, imagery, and dramatic techniques used.</li> </ul>
5	<i>Antony and Cleopatra</i> – Act III	<ul style="list-style-type: none"> <li>- Study the battle scenes and turning points.</li> <li>- Examine betrayal, ambition, and loyalty.</li> <li>- Discuss the role of Enobarbus as a foil to Antony.</li> </ul>
6	<i>Antony and Cleopatra</i> – Acts IV & V	<ul style="list-style-type: none"> <li>- Analyse the tragic resolution of the play.</li> <li>-Identify the main themes: love vs. duty, honour, pride, and fate.</li> <li>- Discuss Shakespeare's use of imagery, irony, and symbolism.</li> </ul>
7	<b>Mid-Term Break / Open Day</b>	—
8	Introduction to Unseen Prose	<ul style="list-style-type: none"> <li>- Features of unseen prose: comprehension and plot.</li> <li>-Tools for unseen passage analysis: theme, setting, tone, and character.</li> <li>- Practice analysis using short unseen prose excerpts.</li> </ul>
9–10	Introduction to Unseen Poem	<ul style="list-style-type: none"> <li>-Features of unseen poem: structure, imagery, and mood.</li> <li>- Literary devices: metaphor, personification, simile, irony, alliteration, paradox.</li> <li>-Practice unseen poem analysis using short modern poems.</li> </ul>
11	Principles of Answering Context and Literature Questions	<ul style="list-style-type: none"> <li>- Interpret common exam verbs (comment, describe, contrast, examine).</li> </ul>

		- Develop accurate, concise responses to context-based questions.
12	<b>Revision</b>	- Review of <i>Antony and Cleopatra</i> and unseen texts.
13	<b>Examination</b>	—

## SS3 LITERATURE-IN-ENGLISH SCHEME OF WORK

### SECOND TERM

Week	Topic	Content Breakdown
1	Welcome Test / Revision of Last Term's Work	- Overview of <i>Antony and Cleopatra</i> . - Key themes, characters, and stylistic features.
2	Review of Shakespearean Text	- Discussion on characterization, plot development, and major conflicts. - Relate moral lessons from the play to modern society.
3	Revision of African Prose	- Study of <i>Pede Hollist – So the Path Does Not Die</i> and <i>Elma Shaw – Redemption Road</i> . - Analyse themes, characters, and narrative techniques. - Discuss social, political, and cultural contexts.
4	Revision of Non-African Prose	- Study of <i>Harper Lee – To Kill a Mockingbird</i> and <i>Susanne Bellefeuille – Path of Lucas: The Journey He Endured</i> . - Discuss plot, characters, and moral lessons. - Analyse themes of justice, love, and endurance.
5	Revision of African Drama	- Study of <i>Efua Sutherland – The Marriage of Anansewa</i> and <i>Bosedede Ademilua-Afolayan – Once Upon an Elephant</i> . - Identify dramatic techniques and themes. - Discuss societal values reflected in both plays.
6	Revision of Non-African Drama	- Study of <i>Robert Bolt – A Man for All Seasons</i> and <i>J. D. Priestley – An Inspector Calls</i> . - Discuss themes of justice, integrity, hypocrisy, and social responsibility. - Identify major and minor characters.
7	Revision of African and Non-African Poetry	- Review of all selected African and Non-African poems. - Identify themes, tone, mood, and poetic devices. - Relate imagery to central ideas.
8	<b>Mid-Term Break / Open Day</b>	—
9–14	General Revision	- Comprehensive revision of all prescribed texts: Drama, Prose, and Poetry. - Focus on examination techniques, past questions, and model answers.

## SS3 CATERING AND CRAFT PRACTICE SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Resumption Test / Revision of Last Session Work	General review of previous term's work; answering resumption test questions.
2	Meal Planning	Meaning of meal planning; Importance of meal planning; Factors affecting meal planning.
3	Special Menu – Vegetarians	Types of vegetarians; Reasons for vegetarianism; Planning meals for vegetarians.
4	Special Menu – Pregnant and Lactating Women	Nutritional needs of pregnant women; Nutritional needs of lactating mothers; Guidelines for planning meals.
5	Special Menu – Infants and Toddlers	Characteristics affecting their nutritional needs; Guidelines for planning meals for infants and toddlers.
6	Special Menu – Adolescents	Characteristics of adolescents; Nutritional requirements of adolescents; Planning a day's menu for adolescents.
7	Mid-Term Test / Open Day / Mid-Term Break	---
8	Special Menu – Aged / Elderly	Nutritional requirements of aged and elderly; Factors influencing appetite and eating habits.
9	Special Menu – Manual and Sedentary Workers	Differences between manual and sedentary workers; Suitable dishes for each group.
10	Special Menu – Diabetic and Hypertensive Patients	Explanation of diabetic and hypertensive conditions; Guidelines for planning suitable meals.
11	Special Menu – Invalid and Convalescent	Meaning of invalid and convalescent; Guidelines for planning meals; Sample menus.
12	Revision	General revision of the term's work.
13	Examination / Closing	End of term examination.

## SS3 CATERING AND CRAFT PRACTICE SCHEME OF WORK

### SECOND TERM

Week	Topic	Content
1	Resumption Test / Revision	Answering test questions; recalling previous knowledge relevant to new term's work.
2	Housekeeping Department	Meaning of housekeeping; Areas of housekeeping; Duties and responsibilities of housekeeping personnel.
3	Bed Making	Meaning of bed; Types of bed; Bed linen; Procedures for bed making.
4	Practical / Project on Bed Making	Demonstration and practice of bed making.
5	Hotel Receptionist	Meaning of receptionist; Qualities of a good receptionist; Responsibilities of a receptionist.
6	Front Office	Meaning of front office; Personnel in front office and their duties; Attributes of front office personnel; Front office activities.
7	Mid-Term Break	---
8-11	Revision of Past Questions (WAEC & NECO Focus)	Practice with past examination questions; intensive revision of key topics.
12	Revision	Final overall revision of the term's work.
13	Examination / Closing	End of term examination.

## SS3 FINANCIAL ACCOUNTING SCHEME OF WORK

### First Term

Week	Topic	Content
1.	<b>Consignment Account – Meaning and Features</b>	Meaning of consignment; parties involved (consignor and consignee); features of consignment; proforma invoice; account sales; difference between consignment and sales; terms used in consignment (del credere commission, ordinary commission, expenses, abnormal/normal losses).
2.	<b>Consignment Account – Accounting Treatment</b>	Ledger entries for goods sent on consignment; recording expenses; valuation of unsold stock; treatment of abnormal loss; preparation of consignment account, consignee's account, and goods sent on consignment account.
3.	<b>Joint Venture Account</b>	Meaning and features of joint ventures; differences between joint venture and partnership; accounting procedures: (i) Separate set of books method (ii) Memorandum joint venture account method; preparation of accounts for each method.
4.	<b>Contract Account</b>	Meaning and features; difference between contract and job costing; important terms (retention money, progress payment, work-in-progress, notional profit); accounting treatment for incomplete and completed contracts; calculation of profit on incomplete contracts.
5.	<b>Midterm Test</b>	Assessment of topics covered in Weeks 1–4.
6.	<b>Departmental Account</b>	Meaning and purpose; reasons for departmental accounts; apportionment and allocation of expenses; preparation of departmental trading, profit, and loss account.
7.	<b>Midterm break</b>	
8.	<b>Branch Account</b>	Meaning, types of branches (dependent, independent); systems of branch accounting (debtors system, stock & debtors system, final accounts system); preparation of branch accounts under the debtors system.
9.	<b>Public Sector Accounting</b>	Meaning and objectives; sources of revenue and types of expenditure; differences between public sector and private sector accounting; structure of government accounting; preparation of simple public sector accounts.
10.	<b>Revision &amp; Examination</b>	General revision and final examination.

## SS3 COMMERCE SCHEME OF WORK

### FIRST TERM

WEEK	TOPIC	CONTENT BREAKDOWN
1	History of the Nigerian Capital Market	Origin and development of the Nigerian capital market; establishment of the Lagos Stock Exchange (1961); transformation into the Nigerian Stock Exchange; roles and importance of the Securities and Exchange Commission (SEC).
2	Stock Exchange	Meaning and functions of stock exchange; members of the stock exchange; types of securities traded; importance of stock exchange to investors, companies, and the economy.
3	Second Tier Securities Market (SSM) I	Meaning of SSM; objectives of establishing SSM; listing requirements for companies; role of SSM in promoting indigenous enterprises.
4	Second Tier Securities Market (SSM) II	Procedures for dealing in SSM securities; advantages and challenges of SSM; comparison between main stock exchange and SSM.
5	Midterm Examination	—
6	Economic Grouping in West Africa	Meaning of economic grouping; examples—ECOWAS, WAEC, MRU; objectives of ECOWAS; achievements and challenges of economic groupings in West Africa.
7	Midterm Break	—
8	Business Law	Meaning and sources of business law; importance of business law in commerce; types of laws affecting business (contract law, company law, sale of goods law, agency law).
9	Contract of Employment and Government Regulation of Business	Meaning and features of contract of employment; rights and duties of employer and employee; government regulations of business—taxes, labour laws, environmental protection, consumer protection.
10	Meaning of Negotiable Instrument	Definition of negotiable instruments; types—cheques, bills of exchange, promissory notes; features and importance in business transactions.
11	Revision	General revision of all topics covered in the term.
12	Examination	—
13	Closing	—

## SS3 MARKETING SCHEME OF WORK

### FIRST TERM

Week	Topic	Content Breakdown
1	International Marketing	<ul style="list-style-type: none"><li>• Meaning of international marketing.</li><li>• Reasons for international marketing.</li></ul>
2	Importance of International Market	<ul style="list-style-type: none"><li>• Importance of international market.</li><li>• Difference between domestic and international marketing.</li></ul>
3	International Trade System – Import and Export Trade	<ul style="list-style-type: none"><li>• Meaning of international trade.</li><li>• Comparison of import and export trade.</li></ul>
4	Market Decision and Reasons – Wider Market Escape from Competition	<ul style="list-style-type: none"><li>• Evaluation of reasons why businesses seek wider markets.</li><li>• Escape from competition.</li></ul>
5	Midterm Examination	<ul style="list-style-type: none"><li>• —</li></ul>
6	Features of International Market	<ul style="list-style-type: none"><li>• Advantages and disadvantages of international market.</li></ul>
7	Midterm Break	<ul style="list-style-type: none"><li>• —</li></ul>
8	Legal, Social, Cultural and Demographic Features of International Market	<ul style="list-style-type: none"><li>• Highlighting the legal, social, cultural, and demographic features influencing international marketing.</li></ul>
9	Approaches to International Market	<ul style="list-style-type: none"><li>• Approaches to entering international marketing.</li><li>• Adaptations in international markets.</li></ul>
10	Regulations Guiding International Marketing	<ul style="list-style-type: none"><li>• Rules and regulations guiding international marketing.</li></ul>
11	Information and Communication Technology (ICT) in International Marketing	<ul style="list-style-type: none"><li>• Meaning of ICT.</li><li>• Advantages of ICT in international marketing.</li><li>• Practice of internet facilities for marketing.</li></ul>
12	Revision	<ul style="list-style-type: none"><li>• General revision of the term's work.</li></ul>
13	Examination	<ul style="list-style-type: none"><li>• —</li></ul>
14	Closing	<ul style="list-style-type: none"><li>• —</li></ul>

## SS3 MARKETING SCHEME OF WORK

### SECOND TERM

Week	Topic	Content Breakdown
1	Internet Browsing and Electronic Marketing	<ul style="list-style-type: none"><li>• Meaning of e-marketing.</li><li>• Advantages and disadvantages of e-marketing.</li><li>• Internet ethics.</li></ul>
2	Planning for a Personal Marketing Outlet	<ul style="list-style-type: none"><li>• Meaning of marketing outlet.</li><li>• Sources of funds for marketing businesses.</li><li>• Advantages and disadvantages of financing marketing businesses.</li></ul>
3	Identifying a Good Marketing Location and Setting up/Operating a Marketing Outlet	<ul style="list-style-type: none"><li>• Identifying good marketing locations.</li><li>• Steps in setting up and managing a marketing outlet.</li></ul>
4	Purchase and Supply of Goods	<ul style="list-style-type: none"><li>• Role of marketing outlets in the purchase and supply of goods and services.</li></ul>
5	Selling and Bargaining Skills	<ul style="list-style-type: none"><li>• Meaning of selling and bargaining skills.</li><li>• Various sales and bargaining techniques.</li></ul>
6	Fund Management	<ul style="list-style-type: none"><li>• Meaning of fund management.</li><li>• Roles of technology in fund management.</li></ul>
7	Midterm Break	<ul style="list-style-type: none"><li>• —</li></ul>
8–11	Revision	<ul style="list-style-type: none"><li>• Comprehensive revision of the term's work.</li></ul>
12–13	Examination	<ul style="list-style-type: none"><li>• —</li></ul>
14	Closing	<ul style="list-style-type: none"><li>• —</li></ul>

## SS3 ECONOMICS SCHEME OF WORK

### FIRST TERM

Week	Topic	Content Breakdown
1	Economics Lessons from Asian Tigers, Japan, Europe, and America (1)	<ul style="list-style-type: none"><li>• Economic history of the Asian Tigers and Japan (1960–2000)</li></ul>
2	Economics Lessons from Asian Tigers, Japan, Europe, and America (2)	<ul style="list-style-type: none"><li>• Review of the development strategies employed by the Asian Tigers, Japan, Europe, and America.</li><li>• Lessons for the Nigerian economy.</li></ul>
3	Human Capital Development	<ul style="list-style-type: none"><li>• Definition and characteristics of human capital.</li><li>• Factors affecting efficiency of human capital.</li><li>• Distinction between human and physical capital.</li><li>• Brain drain and its effect on the Nigerian economy.</li><li>• Strategies for arresting brain drain.</li></ul>
4	Petroleum and the Nigerian Economy	<ul style="list-style-type: none"><li>• Development of the petroleum industry.</li><li>• Contributions of petroleum to the Nigerian economy (positive and negative).</li><li>• Roles of NNPC and OPEC in exploration, production, refining, marketing, and distribution of petroleum products.</li></ul>
5	Midterm Examination	<ul style="list-style-type: none"><li>• —</li></ul>
6	Manufacturing and Construction	<ul style="list-style-type: none"><li>• Meaning and types of manufacturing (crafts, food processing, etc.).</li><li>• Meaning of construction.</li><li>• Contributions of manufacturing and construction to Nigeria's GDP.</li><li>• Roles of manufacturing and construction in economic development.</li></ul>
7	Midterm Break	<ul style="list-style-type: none"><li>• —</li></ul>
8	Service Industries	<ul style="list-style-type: none"><li>• Meaning of services.</li></ul>

		<ul style="list-style-type: none"> <li>• Types of service industries (tourism, transport, banking, insurance, warehousing, advertisement).</li> <li>• Contributions of service industries to national development.</li> </ul>
9	Agencies that Regulate Financial Markets	<ul style="list-style-type: none"> <li>• Regulation of the money market: agencies and their roles.</li> <li>• Regulation of the capital market: agencies, objectives, and tools.</li> <li>• Functions and significance of the regulatory agencies in the economy.</li> </ul>
10	International Trade (1)	<ul style="list-style-type: none"> <li>• Meaning of international trade.</li> <li>• Distinction between domestic and international trade.</li> <li>• Reasons for international trade.</li> <li>• Theory of comparative cost and its shortcomings.</li> </ul>
11	International Trade (2)	<ul style="list-style-type: none"> <li>• Meaning of globalization.</li> <li>• Features and challenges of globalization.</li> <li>• Opportunities globalization presents to the Nigerian economy.</li> </ul>
12	Revision	<ul style="list-style-type: none"> <li>• General revision of the term's work.</li> </ul>
13	Examination	<ul style="list-style-type: none"> <li>• —</li> </ul>
14	Closing	<ul style="list-style-type: none"> <li>• —</li> </ul>

## SS3 ECONOMICS SCHEME OF WORK

### SECOND TERM

Week	Topic	Content Breakdown
1	Balance of Payments (B.O.P) I	<ul style="list-style-type: none"> <li>• Terms of trade and measurements.</li> <li>• Favorable and unfavorable balance of payment and their effects.</li> </ul>
2	Balance of Payments (B.O.P) II	<ul style="list-style-type: none"> <li>• Concepts of balance of payment: surplus and deficit.</li> <li>• Methods of correcting balance of payment problems.</li> </ul>
3	Economic Growth and Development	<ul style="list-style-type: none"> <li>• Meaning of economic development.</li> <li>• Distinction between economic growth and development.</li> <li>• Problems of economic development in Nigeria.</li> </ul>
4	Economic Development Planning	<ul style="list-style-type: none"> <li>• Elements of development planning.</li> <li>• Nigeria's planning experience.</li> <li>• Objectives of Nigeria's development plans.</li> </ul>
5	Midterm Examination	<ul style="list-style-type: none"> <li>• —</li> </ul>
6	International Economic Organizations	<ul style="list-style-type: none"> <li>• Historical development of organizations: ECOWAS, ECA, IMF, IBRD, ADB, OPEC, WACH, GATT, UNCTAD.</li> <li>• Aims, objectives, and roles of the organizations.</li> </ul>
7	Midterm Break	<ul style="list-style-type: none"> <li>• —</li> </ul>
8	Current Economic Plans: MDGs, NEEDS, Vision 2020	<ul style="list-style-type: none"> <li>• Meaning and objectives of MDGs, NEEDS, and Vision 2020.</li> </ul>
9	Economic Development Challenges	<ul style="list-style-type: none"> <li>• Meaning and effects of poverty.</li> <li>• Methods of poverty alleviation and eradication.</li> <li>• Agencies for poverty alleviation (e.g., NAPEP, NDE, etc.).</li> <li>• HIV/AIDS and the economy.</li> <li>• Power and energy inadequacy.</li> </ul>
10	Economic Reform Programmes	<ul style="list-style-type: none"> <li>• Consolidation of financial institutions.</li> </ul>

		<ul style="list-style-type: none"><li>• Privatization and commercialization.</li><li>• Roles of EFCC, ICPC, NAFDAC, and SON.</li></ul>
11	Revision	<ul style="list-style-type: none"><li>• General revision of the term's work.</li></ul>
12	Examination	<ul style="list-style-type: none"><li>• —</li></ul>
13	Closing	<ul style="list-style-type: none"><li>• —</li></ul>

## **TRADE SUBJECTS IN SS 3**

1. Solar Photovoltaic Installation and Maintenance
2. Fashion Design and Garment Making
3. Livestock Farming
4. Beauty and Cosmetology
5. Computer Hardware and GSM Repairs
6. Horticulture and Crop Production

## SS3 SOLAR PHOTOVOLTAIC INSTALLATION & MAINTENANCE

### FIRST TERM

Week	Topic	Content Breakdown
1	Review of SS1 & SS2 Work	Core concepts recap
2	Advanced PV Technologies	Bifacial panels, solar trackers
3	Smart Solar Systems	IoT integration, monitoring apps
4	Hybrid Energy Systems	Combining solar with wind/diesel
5	<b>Midterm Test</b>	
6	Energy Policies in Nigeria	Rural electrification policy, renewable energy policy
7	<b>Midterm Break</b>	
8	Climate Change & Renewable Energy	Role of solar in sustainability
9	Environmental Impacts of PV Systems	Waste, recycling, sustainability
10	Practical: Smart Solar Monitoring System	Using IoT tools
11-13	Revision & Exams	

## SS3 SOLAR PHOTOVOLTAIC INSTALLATION & MAINTENANCE

### SECOND TERM

Week	Topic	Content Breakdown
1	Preparation for SSCE	Review of key topics
2	SSCE Past Questions – Theory	Worked solutions
3	SSCE Past Questions – Practical	Case studies
4	Mock Installation Project I	Group practical design
5	<b>Midterm Test</b>	
6	Mock Installation Project II	Installation & commissioning
7	<b>Midterm Break</b>	
8	Mock Installation Project III	Troubleshooting & maintenance
9	Mock SSCE	Internal exams
10	Exam Prep & Coaching	
11–13	Revision & Exams	

## SS3 SOLAR PHOTOVOLTAIC INSTALLATION & MAINTENANCE

### THIRD TERM

Week	Topic	Content Breakdown
1	Comprehensive Revision I	Theory
2	Comprehensive Revision II	Practical
3	Final Project Presentation	Individual/group solar projects
4	Mock Exams	
5	<b>Midterm Test</b>	
6	Final SSCE Preparation	
7	<b>Midterm Break</b>	
8-10	WAEC/NECO Practical & Theory Exams	
11-13	Closing & Graduation	

## SS3 FASHION DESIGN & GARMENT MAKING

### FIRST TERM

Week	Topic	Content Breakdown
1	Review of SS1 & SS2 Work	Core concepts recap
2	Tailoring Business I	Setting up a fashion workshop
3	Tailoring Business II	Costing & pricing garments
4	Customer Relations	Communication, taking orders, handling complaints
5	<b>Midterm Test</b>	
6	Entrepreneurship in Fashion	Branding, marketing, sales
7	<b>Midterm Break</b>	
8	ICT in Fashion	Online marketing, fashion software
9	Fashion Trends & Globalization	Influences of global fashion
10	Practical: Business Proposal for a Fashion Line	
11–13	Revision & Exams	

## SS3 FASHION DESIGN & GARMENT MAKING

### SECOND TERM

Week	Topic	Content Breakdown
1	Revision of Major Skills	Garment construction techniques
2	SSCE Past Questions – Theory	Worked solutions
3	SSCE Past Questions – Practical	Garment making practice
4	Mock Project I	Designing & cutting
5	<b>Midterm Test</b>	
6	Mock Project II	Sewing & finishing
7	<b>Midterm Break</b>	
8	Mock Project III	Final fitting & presentation
9	Mock SSCE	Internal exams
10	Exam Prep & Coaching	
11–13	Revision & Exams	

## SS3 FASHION DESIGN & GARMENT MAKING

### THIRD TERM

Week	Topic	Content Breakdown
1	Comprehensive Revision I	Theory
2	Comprehensive Revision II	Practical
3	Final Project Presentation	Individual/group garment collection
4	Mock Exams	
5	<b>Midterm Test</b>	
6	Final SSCE Preparation	
7	<b>Midterm Break</b>	
8-10	WAEC/NECO Practical & Theory Exams	
11-13	Closing & Graduation	

## SS3 LIVESTOCK FARMING SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Introduction to Animal Biotechnology	Meaning; Importance in livestock improvement
2	Reproductive Technologies	Artificial insemination; Embryo transfer; Cloning
3	Genetic Improvement	Selective breeding; Hybrid vigour; Genetic modification
4	Animal Welfare and Ethics	Animal rights; Humane treatment; Slaughtering methods
5	Midterm Test	–
6	Sustainable Livestock Farming	Organic livestock farming; Waste management
7	Midterm Break	–
8	Livestock Business Planning	Business plan preparation; Funding sources
9	Farm Project Development	Practical steps in establishing a livestock enterprise
10	Entrepreneurship in Livestock	Opportunities; Success stories; Challenges
11	Revision	–
12	Examination	–
13	Closing	–

## SS3 LIVESTOCK FARMING SCHEME OF WORK

### SECOND TERM

Week	Topic	Content
1	Dairy Technology I	Milk production; Handling and hygiene
2	Dairy Technology II	Milk processing into yoghurt, cheese, butter
3	Meat Science I	Slaughtering process; Carcass dressing
4	Meat Science II	Processing, preservation and packaging of meat
5	Midterm Test	–
6	Hide and Skin Processing	Tanning methods; Leather products
7	Midterm Break	–
8	Egg Technology	Egg preservation; Processing into products
9	Livestock Product Quality Control	Standards; Certification; Food safety
10	Export of Livestock Products	International markets; Trade barriers; Opportunities
11	Revision	–
12	Examination	–
13	Closing	–

## SS3 LIVESTOCK FARMING SCHEME OF WORK

### THIRD TERM

Week	Topic	Content
1	Farm Mechanization in Livestock	Equipment used in housing, feeding, milking
2	ICT in Livestock Farming	Digital tools; Record systems; Precision livestock farming
3	Farm Management Simulation	Planning and budgeting exercises
4	Field Work	Practical visits to livestock farms and processing plants
5	Midterm Test	–
6	Project Work	Students embark on supervised livestock projects
7	Midterm Break	–
8	Presentation of Projects	Class presentations of findings and experiences
9	Career Opportunities in Livestock	Extension officer, veterinary services, agribusiness, processing
10	Final Preparations for External Exams	WAEC/NECO syllabus revision
11	General Revision	–
12	Examination	–
13	Closing	–

### SS3 BEAUTY AND COSMETOLOGY SCHEME OF WORK

#### FIRST TERM

Week	Topic	Content
1	Revision of SS1 & SS2 Work	General review of key concepts
2	Professional Makeup Artistry I	Portfolio building; Signature styles
3	Professional Makeup Artistry II	High fashion, photography and editorial makeup
4	Bridal and Event Management in Beauty	Coordinating bridal looks; Event styling
5	Midterm Test	–
6	Cosmetology Entrepreneurship Project I	Proposal writing; Market survey
7	Midterm Break	–
8	Cosmetology Entrepreneurship Project II	Practical product creation
9	Presentation of Projects	Group and individual presentations
10	Client Care and Psychology	Communication, counselling, client satisfaction
11	Revision	–
12	Examination	–
13	Closing	–

## SS3 BEAUTY AND COSMETOLOGY SCHEME OF WORK

### SECOND TERM

Week	Topic	Content
1	Advanced Spa Services	Body scrubs, wraps, holistic therapies
2	Global Beauty Standards	Cultural perceptions of beauty; Diversity
3	Cosmetic Chemistry II	Preservation, fragrance, safety testing
4	Health and Safety Regulations	Salon hygiene; Government regulations
5	Midterm Test	–
6	Digital Marketing for Beauty Business	Social media branding; Online booking systems
7	Midterm Break	–
8	Job Opportunities in Beauty Industry	Makeup artist, cosmetologist, skincare consultant, nail technician
9	Career Preparation	CV writing; Interview skills; Freelancing
10	WAEC/NECO Cosmetology Syllabus Revision	Intensive preparation
11	Revision	–
12	Examination	–
13	Closing	–

## SS3 BEAUTY AND COSMETOLOGY SCHEME OF WORK

### THIRD TERM

Week	Topic	Content
1	Practical Sessions	Makeup, hair, nail and skin care practicals
2	Field Work	Visit to beauty salons, spas, cosmetic industries
3	Independent Project Work	Students run supervised beauty mini-business
4	Report Writing	Documenting project experiences
5	Midterm Test	–
6	Mock Examination	–
7	Midterm Break	–
8	Final Revision	Past questions practice
9	WAEC/NECO Examinations	–
10	Graduation Preparation	–
11–13	Exams/Closing	–

## SS3 COMPUTER HARDWARE AND GSM REPAIRS

### FIRST TERM

Week	Topic	Content
1	Review of SS2 Work	Q&A, recap
2	Advanced Diagnostic Tools	Oscilloscope, DC power supply, software tools
3	GSM Schematic Diagrams	Reading and interpretation
4	Micro Soldering Techniques	IC replacement, jumper techniques
5	Midterm Examination	–
6	Advanced Computer Networking	IP addressing, cabling, wireless setup
7	Midterm Break	–
8	Repair Case Studies	Real-life GSM/computer repair scenarios
9	Professional Ethics in ICT Repairs	Customer service, safety, data privacy
10	ICT Career Opportunities	Certification pathways (CompTIA, Cisco, GSM training)
11	Revision	–
12	Examination	–
13	Closing	–

## SS3 COMPUTER HARDWARE AND GSM REPAIRS

### SECOND TERM

Week	Topic	Content
1	GSM Advanced Repairs	Water-damaged phones, motherboard faults
2	Smartphone Technology	Android vs iOS architecture
3	Advanced Computer Maintenance	Server maintenance, virtualization basics
4	Entrepreneurship in ICT	Costing, pricing, business plan
5	Midterm Examination	–
6	E-Waste Management	Recycling, safe disposal of ICT waste
7	Midterm Break	–
8	ICT Business Marketing	Branding, digital marketing, customer retention
9	Financial Management	Record keeping, profit analysis
10	Project Planning	Preparing for final year project
11	Revision	–
12	Examination	–
13	Closing	–

## SS3 COMPUTER HARDWARE AND GSM REPAIRS

### THIRD TERM

Week	Topic	Content
1	Final Year Project Supervision	Proposal writing, approval
2	Project Execution	Hardware or GSM repair projects
3	Project Execution II	Practical demonstration
4	Project Report Writing	Documentation, diagrams, analysis
5	Midterm Examination	–
6	Presentation Skills	Oral defense, use of slides
7	Midterm Break	–
8	Mock Exams	Past WAEC/NECO ICT-related papers
9	Revision of Practical Works	Hands-on review
10	WAEC/NECO Preparatory Classes	Key areas likely to appear
11	Revision	–
12	Examination	–
13	Closing/Graduation	–

## SS3 HORTICULTURE AND CROP PRODUCTION

### FIRST TERM

Week	Topic	Content
1	Review of SS1–SS2 Work	Questions and answers
2	Advanced Greenhouse Technology	Climate control, fertigation
3	Hydroponics	Meaning, types, advantages
4	Aeroponics	Meaning, method, advantages
5	Midterm Examination	–
6	Aquaponics	Integration of fish and crop production
7	Midterm Break	–
8	Precision Agriculture	ICT tools, drones, sensors
9	Climate Change and Crop Production	Adaptation strategies
10	Sustainable Horticultural Practices	Organic farming, permaculture
11	Revision	–
12	Examination	–
13	Closing	–

## SS3 HORTICULTURE AND CROP PRODUCTION

### SECOND TERM

Week	Topic	Content
1	Export Crops in Nigeria	Cocoa, cashew, kola nut
2	Global Trends in Horticulture	Organic certification, agribusiness
3	Agribusiness Opportunities	Value chain in horticulture
4	Farm Management	Planning, budgeting, record keeping
5	Midterm Examination	–
6	Agricultural Finance	Sources of credit, challenges
7	Midterm Break	–
8	Agricultural Policies in Nigeria	Government programmes and impacts
9	Agricultural Marketing Boards	Functions, roles, limitations
10	Project Planning	Preparing for final project
11	Revision	–
12	Examination	–
13	Closing	–

## SS3 HORTICULTURE AND CROP PRODUCTION

### THIRD TERM

Week	Topic	Content
1	Final Year Project Supervision	Proposal writing
2	Project Execution	Practical crop/horticultural projects
3	Project Execution II	Field work and demonstrations
4	Project Report Writing	Documentation and analysis
5	Midterm Examination	–
6	Presentation Skills	Oral defense, ICT use
7	Midterm Break	–
8	Mock Exams	Past WAEC/NECO agriculture papers
9	Review of Practical Sessions	Hands-on revision
10	WAEC/NECO Preparatory Classes	Likely examination topics
11	Revision	–
12	Examination	–
13	Closing/Graduation	–



## SS1 CHEMISTRY SCHEME OF WORK

### FIRST TERM

Week	Topic	Content
1	Introduction to Chemistry	Definition, history, branches, and importance of chemistry
2	Chemical Industries and Laboratory Apparatus	Common laboratory apparatus and their uses
3	Nature of Matter	States of matter, properties, and changes of state
4	Separation Techniques	Filtration, distillation, sublimation, chromatography
5	Midterm Examination	–
6	Atomic Structure	Structure of the atom; Subatomic particles
7	Midterm Break	–
8	Periodic Table	Groups, periods, and periodicity
9	Chemical Combination	Laws of chemical combination
10	Acids, Bases, and Salts	Definitions, examples, properties; pH scale; Neutralization
11	Chemical Symbols, Formulae, and Equations	Writing symbols, formulae; Balancing equations
12	Examination	–
13	Closing	–

## WEEK 1: Introduction to Chemistry

*Definition, History, Branches, and Importance*

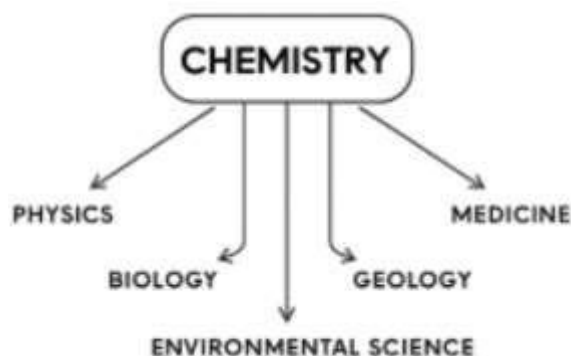
### DEFINITION OF CHEMISTRY

Chemistry is the branch of science that deals with the study of the composition, structure, properties, and changes (reactions) of matter.

It seeks to understand:

- **What matter is made of** (composition)
- **How matter is arranged** (structure)
- **How matter behaves** (properties)
- **How matter changes** (chemical reactions)

Chemistry is often called the “**central science**” because it connects and overlaps with other sciences like Physics, Biology, Medicine, and Geology.



### HISTORY OF CHEMISTRY

The history of chemistry can be divided into several stages:

#### a. Ancient Period (Before 16th Century)

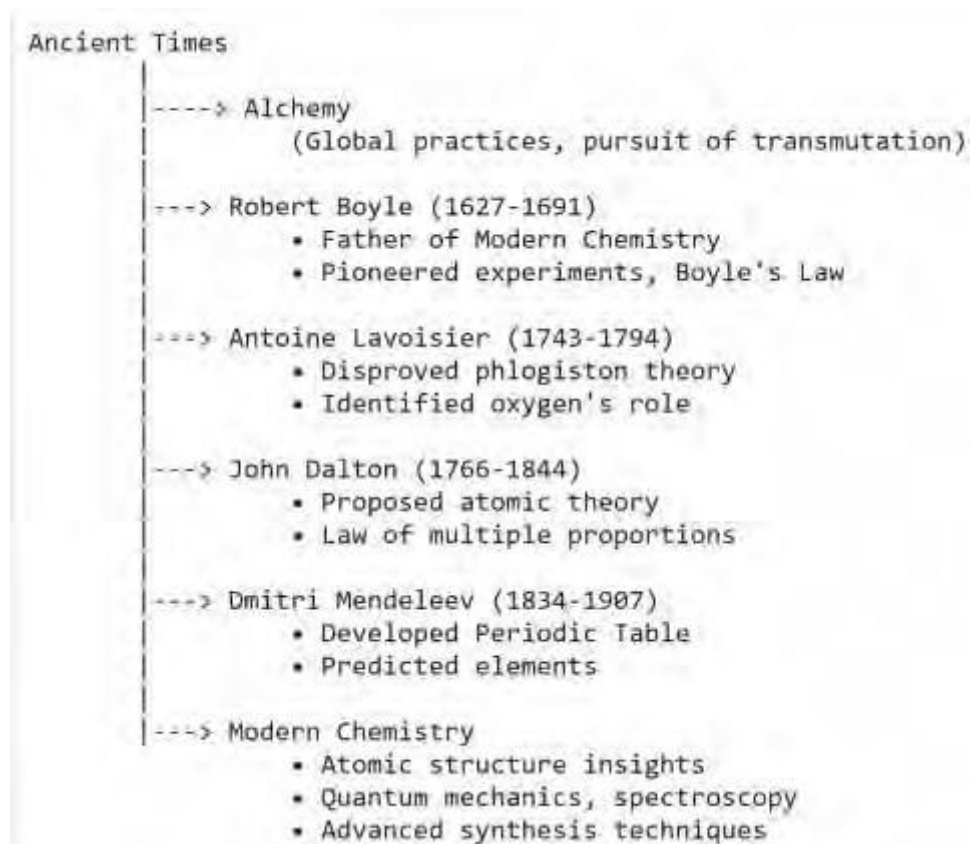
- Early humans used natural substances such as fire, salt, and metals like gold and copper without understanding their composition.
- The practice of **alchemy** emerged, combining elements of magic, religion, and early experimentation.
- Alchemists sought to transform base metals (like lead) into gold and to discover the **elixir of life**.

### b. Transition Period (16th–18th Century)

- The idea of experimentation and observation started replacing mystical beliefs.
- **Robert Boyle (1627–1691)** is regarded as the **father of modern chemistry** for his emphasis on experimentation and his famous **Boyle’s Law** on gases.
- **Antoine Lavoisier (1743–1794)**, called the **father of modern chemistry**, named “oxygen” and “hydrogen,” and established the **Law of Conservation of Mass**.

### c. Modern Period (19th Century – Present)

- Development of the **Atomic Theory** by **John Dalton (1808)**.
- Discovery of the **Periodic Table** by **Dmitri Mendeleev (1869)**.
- Advancements in **physical chemistry, organic chemistry, and biochemistry**.
- In the 20th century, chemistry expanded into **nuclear chemistry, polymer chemistry, and analytical chemistry**.



### BRANCHES OF CHEMISTRY

Chemistry is broadly divided into the following branches:

**a. Physical Chemistry**

Deals with the physical properties and behavior of matter, energy changes, and reaction rates.  
Examples: study of thermodynamics, chemical equilibrium, and kinetics.

**b. Organic Chemistry**

Study of compounds containing carbon (except carbonates and oxides of carbon).  
Examples: hydrocarbons, alcohols, and plastics.

**c. Inorganic Chemistry**

Study of elements and compounds that are not based on carbon.  
Examples: metals, salts, and minerals.

**d. Analytical Chemistry**

Focuses on methods used to determine the composition of substances (qualitative and quantitative analysis).  
Examples: titration, spectroscopy, chromatography.

**e. Biochemistry**

Study of chemical processes in living organisms.  
Examples: digestion, respiration, and photosynthesis.

**f. Industrial Chemistry**

Application of chemical principles in industries to produce useful materials such as fertilizers, paints, drugs, and soaps.

**IMPORTANCE OF CHEMISTRY**

Chemistry plays a vital role in everyday life and national development.

**a. In Medicine and Health**

- Production of drugs, vaccines, and anesthetics.
- Development of disinfectants and diagnostic chemicals.

**b. In Agriculture**

- Manufacture of fertilizers, pesticides, and herbicides.
- Development of soil analysis and irrigation chemicals.

**c. In Industry**

- Production of plastics, paints, soap, cement, textiles, and cosmetics.

- Extraction and purification of metals.

#### d. In Environment

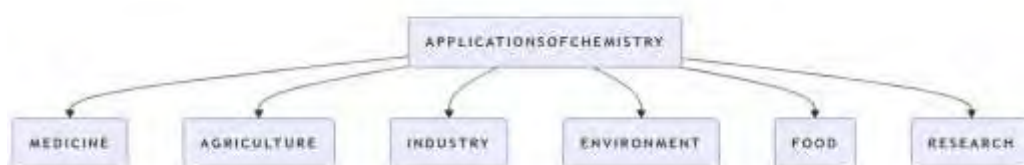
- Helps to understand and control pollution.
- Development of renewable energy sources.

#### e. In Food and Nutrition

- Preservation and processing of food.
- Production of flavorings and supplements.

#### f. In Scientific Research

- Provides a foundation for innovations in energy, materials, and biotechnology.



### EVALUATION

1. Define chemistry and explain why it is called the “central science.”
2. Outline the three main historical stages of chemistry and name one scientist associated with each stage.
3. Differentiate between organic and inorganic chemistry with examples.
4. Mention any four branches of chemistry and state one importance of each.
5. List five areas of human life where chemistry plays a major role.

### ASSIGNMENT

1. Write short notes on the contributions of **Robert Boyle** and **Antoine Lavoisier** to modern chemistry.
2. Make a neat **diagram** showing the major **branches of chemistry**.
3. Identify five **industrial products** made possible through chemistry and state their uses.

## WEEK 2 – CHEMICAL INDUSTRIES AND LABORATORY APPARATUS

### CHEMICAL INDUSTRIES

#### Meaning of Chemical Industries

Chemical industries are industries that use chemical substances at one stage or another to produce other chemicals or finished goods.

- **Raw materials:** Substances used as starting materials in production.
- **Products:** Finished goods from an industry, which may also serve as raw materials for another industry.

#### Types of Raw Materials

1. **Natural raw materials** – Obtained directly from nature without major alteration.  
Examples: air, water, coal, limestone, petroleum, iron ore, sulphur deposits.
2. **Synthetic raw materials** – Man-made materials produced for further manufacturing.  
Examples: synthetic fibres, plastics, palm kernel oil for soaps, thread for textiles.

#### Classification of Chemical Industries

1. **Heavy Chemicals** – Needed in large quantities; purity is not the top priority.  
Examples: tetraoxosulphate (VI) acid ( $\text{H}_2\text{SO}_4$ ), sodium hydroxide, cement, palm kernel oil.
2. **Fine Chemicals** – Required in small quantities; produced in very pure form.  
Examples: sodium chloride ( $\text{NaCl}$ ), dyes, preservatives, analytical reagents.

#### Divisions According to Products

- **Glass industries** – Use sand, clay, sodium carbonate, and colourants to make glass.
- **Ceramics industries** – Use clay and fine chemicals to make ceramics.
- **Pharmaceutical industries** – Use organic, inorganic, and synthetic chemicals to produce drugs.
- **Metallurgical industries** – Extract and process metals from ores.
- **Fertilizer industries** – Produce nitrogen, phosphorus, potassium compounds for agriculture.
- **Paint industries** – Use pigments and inorganic chemicals to make paints.

#### Importance of Chemical Industries

- Provide raw materials for other industries.
- Generate income and employment.
- Serve as research centres and educational resources.

#### Disadvantages of Chemical Industries

- Cause environmental pollution.
- Can lead to rural-urban migration.
- Capital intensive to establish.

## LABORATORY APPARATUS – COMMON APPARATUS AND THEIR USES

Laboratory work in chemistry requires various apparatus for measuring, holding, heating, mixing, and observing substances. These apparatus can be broadly grouped according to their functions.

### 1. Apparatus for Holding and Storing

Apparatus	Description	Uses
<b>Beaker</b>	Cylindrical container with a pouring lip; comes in various sizes (50 mL – 1 L).	Holding, mixing, heating liquids, rough measurements.
<b>Conical Flask (Erlenmeyer flask)</b>	Conical body, narrow neck.	Mixing solutions, titration, heating without spillage.
<b>Test Tube</b>	Small cylindrical glass tube with rounded bottom.	Holding small samples, heating small amounts of substances.
<b>Flat-bottom Flask</b>	Round body, flat base.	Heating liquids evenly.
<b>Round-bottom Flask</b>	Round body, no flat base; used with support.	Uniform heating, distillation, reactions under heat.
<b>Reagent Bottle</b>	Glass or plastic bottle, often amber-coloured.	Storing chemicals (liquid or solid).
<b>Measuring Cylinder (Graduated Cylinder)</b>	Tall cylindrical vessel with graduations.	Measuring accurate volumes of liquids.

### 2. Apparatus for Heating

Apparatus	Description	Uses
<b>Bunsen Burner</b>	Gas burner with adjustable air holes.	Heating, sterilizing, combustion in the lab.
<b>Spirit Lamp</b>	Small container with wick, burns ethanol.	Gentle heating where gas is unavailable.
<b>Tripod Stand</b>	Three-legged stand.	Supports apparatus over heat source.
<b>Wire Gauze</b>	Metal mesh, often with ceramic centre.	Placed on tripod to support glassware and distribute heat evenly.
<b>Crucible</b>	Small ceramic pot with lid.	Heating substances to very high temperatures.
<b>Evaporating Dish</b>	Shallow ceramic or porcelain dish.	Evaporating liquids to leave solid residues.

### 3. Apparatus for Measuring

Apparatus	Description	Uses
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<b>Pipette</b>	Long narrow tube calibrated to deliver a specific volume.	Measuring and transferring exact volumes of liquids.
<b>Burette</b>	Long graduated tube with a tap at the bottom.	Accurate measurement and delivery of liquid in titrations.
<b>Volumetric Flask</b>	Flat-bottomed flask with a long neck and calibration mark.	Preparing solutions of exact concentration.
<b>Stopwatch</b>	Time-measuring device.	Measuring time in reactions.
<b>Thermometer</b>	Graduated glass tube containing mercury or alcohol.	Measuring temperature.

#### 4. Apparatus for Separation and Purification

<b>Apparatus</b>	<b>Description</b>	<b>Uses</b>
<b>Separating Funnel</b>	Pear-shaped glass with a stopcock at the bottom.	Separating immiscible liquids (e.g., oil and water).
<b>Filter Funnel</b>	Cone-shaped apparatus.	Directing liquid into containers and for filtration with filter paper.
<b>Distillation Flask</b>	Round-bottom flask with a side arm.	Separating mixtures by distillation.
<b>Condenser (Liebig condenser)</b>	Glass tube with outer water jacket.	Cooling vapour back to liquid in distillation.
<b>Desiccator</b>	Airtight container with drying agent.	Keeping substances dry or removing moisture.

#### 5. Apparatus for Support and Safety

<b>Apparatus</b>	<b>Description</b>	<b>Uses</b>
<b>Retort Stand with Clamp</b>	Vertical rod fixed to a base with adjustable clamps.	Holding apparatus in place during experiments.
<b>Tongs</b>	Metal grip tool.	Handling hot crucibles and glassware.
<b>Test Tube Holder</b>	Wooden or metal clip.	Holding test tubes during heating.
<b>Fume Cupboard</b>	Enclosed ventilated space.	Conducting experiments that produce harmful gases.
<b>Goggles and Lab Coat</b>	Safety gear.	Protecting eyes and body.

#### Practical Safety Tips for Students:

- Always wear safety goggles and a lab coat.
- Do not heat a closed container.
- Handle acids and alkalis with care.
- Always read labels on reagent bottles before use.

- Never taste or directly smell chemicals; waft gently if necessary.

### **EVALUATION**

1. Define chemical industries.
2. Differentiate between natural and synthetic raw materials with two examples each.
3. Mention two differences between heavy chemicals and fine chemicals.
4. List any four divisions of chemical industries according to products and give one example of raw material for each.
5. State two importance and two disadvantages of chemical industries.

### **ASSIGNMENT**

1. Draw and neatly label **five apparatus** used for measuring and heating substances in the laboratory.
2. List **five Nigerian chemical industries** and state their main products.

## WEEK 3 - NATURE OF MATTER – STATES, PROPERTIES, AND CHANGES OF STATE

### Meaning of Matter

Matter is anything that has mass and occupies space. All physical objects—whether visible (like a table) or invisible (like air)—are made of matter. Matter is composed of tiny particles called atoms and molecules that are in constant motion.

### States of Matter

Matter exists in three primary states: solid, liquid, and gas. In advanced science, two more states—plasma and Bose–Einstein condensate—are recognized, but at the secondary school level, we focus on the main three.

#### (a) Solid

- **Particle arrangement:** Particles are closely packed in a fixed, orderly arrangement.
- **Movement:** Particles vibrate in fixed positions.
- **Shape and volume:** Has a definite shape and definite volume.
- **Compressibility:** Cannot be easily compressed due to little space between particles.
- **Examples:** Wood, metal, stone, ice.

#### (b) Liquid

- **Particle arrangement:** Particles are close together but not in a fixed arrangement.
- **Movement:** Particles can slide over each other, allowing liquids to flow.
- **Shape and volume:** Has definite volume but no definite shape—it takes the shape of its container.
- **Compressibility:** Almost incompressible.
- **Examples:** Water, oil, alcohol, mercury.

#### (c) Gas

- **Particle arrangement:** Particles are far apart and not in a fixed position.
- **Movement:** Move freely at high speed in all directions.
- **Shape and volume:** Has neither definite shape nor definite volume—it expands to fill its container.
- **Compressibility:** Highly compressible due to large spaces between particles.
- **Examples:** Air, oxygen, carbon dioxide, nitrogen.

### Properties of the States of Matter

Property	Solid	Liquid	Gas
Shape	Definite	Indefinite	Indefinite
Volume	Definite	Definite	Indefinite

<b>Arrangement of particles</b>	Fixed, closely packed	Close, random	Far apart, random
<b>Movement of particles</b>	Vibrate in place	Slide over each other	Move freely in all directions
<b>Density</b>	High	Medium	Low
<b>Compressibility</b>	Very low	Very low	High
<b>Energy of particles</b>	Lowest	Moderate	Highest

<b>gas</b>	<b>liquid</b>	<b>solid</b>
assumes the shape and volume of its container particles can move past one another	assumes the shape of the part of the container which it occupies particles can move/slide past one another	retains a fixed volume and shape rigid - particles locked into place
compressible lots of free space between particles	not easily compressible little free space between particles	not easily compressible little free space between particles
flows easily particles can move past one another	flows easily particles can move/slide past one another	does not flow easily rigid - particles cannot move/slide past one another

### Changes of State

Changes of state occur when matter is transformed from one state to another by **heating** or **cooling**. These processes involve energy changes but **do not alter the chemical composition** of the substance.

#### (a) Melting

- **Definition:** Change from solid to liquid upon heating.
- **Example:** Ice melting into water.
- **Energy change:** Heat energy is absorbed to overcome the forces holding particles in fixed positions.

#### (b) Freezing (Solidification)

- **Definition:** Change from liquid to solid upon cooling.
- **Example:** Water freezing into ice.
- **Energy change:** Heat energy is released as particles slow down and become fixed.

#### (c) Vaporization (Boiling/Evaporation)

- **Boiling:** Rapid change from liquid to gas at a specific temperature (boiling point).
- **Evaporation:** Slow change from liquid to gas at the surface, at any temperature.

- **Example:** Water boiling at  $100^{\circ}\text{C}$ ; drying of wet clothes.

#### (d) Condensation

- **Definition:** Change from gas to liquid upon cooling.
- **Example:** Water vapour forming droplets on a cold surface.

#### (e) Sublimation

- **Definition:** Direct change from solid to gas without passing through the liquid state.
- **Examples:** Iodine crystals, dry ice (solid  $\text{CO}_2$ ), naphthalene balls.

#### (f) Deposition

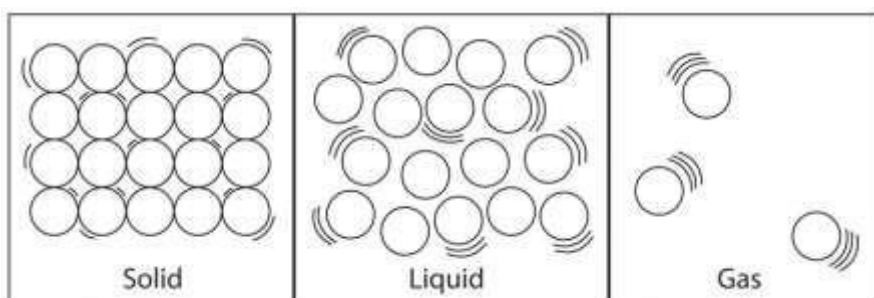
- **Definition:** Change from gas directly to solid without becoming liquid.
- **Example:** Formation of frost.

### Particle Theory of Matter

The **Kinetic Theory of Matter** explains that:

1. All matter is made up of tiny particles (atoms or molecules).
2. Particles are in constant motion.
3. The higher the temperature, the faster the particles move.
4. The state of matter depends on the spacing and movement of the particles.

### Arrangement of particles in solids, liquids, and gases



### Common Misconceptions

- **Misconception:** Gases have no mass.  
**Correction:** Gases have mass, though they are light and invisible.
- **Misconception:** Melting and dissolving are the same.  
**Correction:** Melting changes state due to heat; dissolving is mixing with a solvent.

### **Practical Examples**

- Melting: Ice in a glass on a hot day.
- Boiling: Water boiling for cooking.
- Evaporation: Sweat drying from the skin.
- Condensation: Fogging of mirrors after a hot bath.
- Sublimation: Disappearance of mothballs in clothes.

### **Evaluation**

1. Define matter and list its three main states.
2. Differentiate between solids, liquids, and gases using at least four properties.
3. Explain the difference between boiling and evaporation.
4. Give two examples each of:
  - Melting
  - Sublimation
  - Condensation
5. State the particle arrangement and motion in gases.

### **Assignment**

1. With the aid of a diagram, show the particle arrangement in solids, liquids, and gases.
2. State five differences between evaporation and boiling.
3. Write short notes on the following changes of state: freezing, deposition, melting.

## WEEK 4 – SEPARATION TECHNIQUES

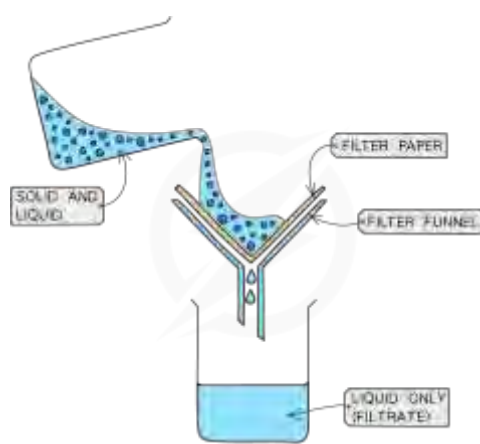
In chemistry, separation techniques are methods used to divide mixtures into their individual components, based on differences in **physical or chemical properties** such as particle size, density, solubility, boiling point, or magnetic properties. The choice of a suitable technique depends on:

- The nature of the mixture (solid–solid, solid–liquid, liquid–liquid, gas mixtures).
- The properties of the components.
- The level of purity required.

Separation method	What it separates
Chromatography	Compounds in a solution with same properties
Filtration	Solids or group of solids and liquids in a mixture
Evaporation	Solids that cannot decompose when heated in a solution
Crystallisation	Dissolved solids in a solution
Simple Distillation	Liquids in a solution
Fractional Distillation	Mixture of miscible (dissolved) liquids
Separating Funnel	Immiscible (undissolved) liquids
Sublimation	Substances that sublime from two substances
Magnetic Attraction	Magnetic substances from non-magnetic ones

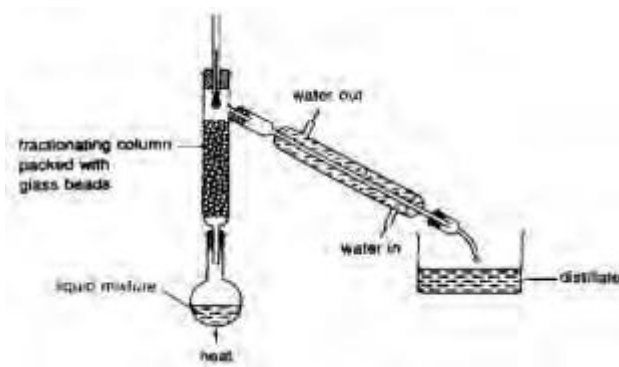
### 1. Filtration

- **Definition:** A process of separating an insoluble solid from a liquid using a porous barrier (filter paper).
- **Principle:** Based on particle size — solid particles are too large to pass through the filter pores.
- **Example:** Separating sand from water.



### 2. Distillation

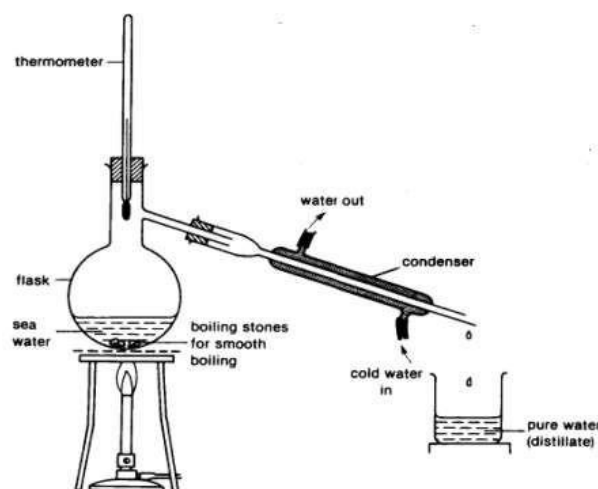
- **Definition:** Separation of a liquid from a mixture using differences in boiling points.
- **Principle:** Components with lower boiling points vaporize first, then condense back to liquid.
- **Example:** Purifying water from saltwater.



3.

### Fractional Distillation

- **Definition:** A refined form of distillation used to separate a mixture of liquids with close boiling points.
- **Principle:** Utilizes a fractionating column to allow repeated condensation and vaporization for better separation.
- **Example:** Separating ethanol from water, crude oil refining.

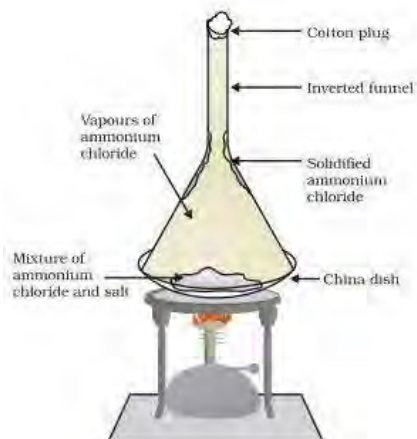


4.

### Sublimation

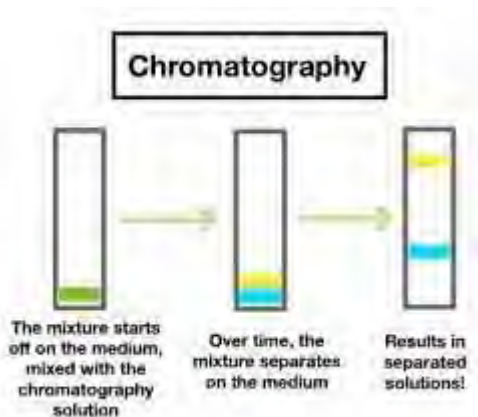
- **Definition:** Direct conversion of a solid to gas without passing through the liquid phase.

- **Principle:** Based on differences in sublimation tendencies between substances.
- **Example:** Separating iodine crystals from a mixture.



## 5. Chromatography

- **Definition:** Technique for separating components of a mixture based on their movement through a medium.
- **Principle:** Components move at different rates due to differences in solubility and adsorption.
- **Example:** Separating plant pigments on paper.



6.

## Centrifugation

- **Definition:** Separation of mixtures using centrifugal force by spinning at high speed.
- **Principle:** Denser particles move outward faster than less dense ones.
- **Example:** Separating plasma from blood cells.



## 7. Decantation

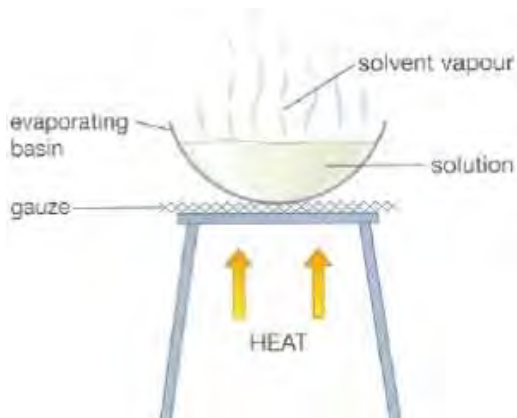
- **Definition:** Pouring off a liquid to separate it from sediment or an immiscible liquid.
- **Principle:** Relies on density differences between substances.
- **Example:** Removing water from settled sand.

### Separating Mixtures - Decanting



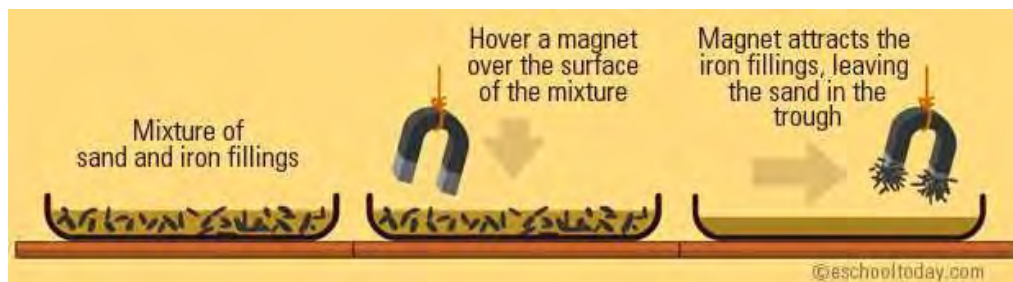
## 8. Evaporation

- **Definition:** Removal of a liquid by heating until only the solid residue remains.
- **Principle:** Components with lower boiling points evaporate, leaving non-volatile solids behind.
- **Example:** Obtaining salt from seawater.



## 9. Magnetic Separation

- **Definition:** Use of magnets to separate magnetic materials from non-magnetic ones.
- **Principle:** Based on magnetic properties of substances.
- **Example:** Separating iron filings from sand.



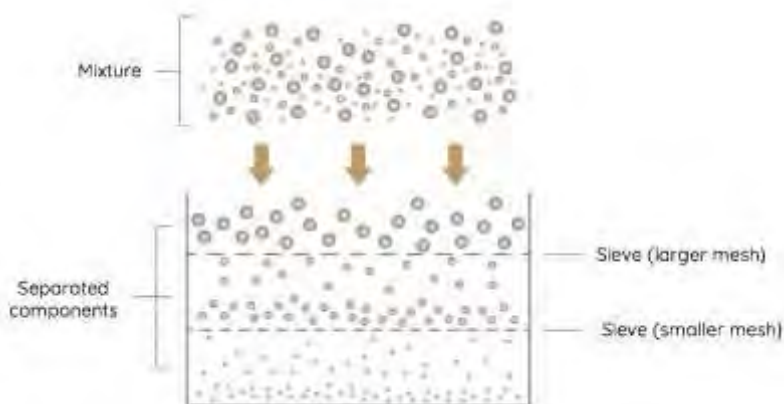
## 10. Winnowing

- **Definition:** Winnowing is a separation technique used to separate **lighter particles** (such as husks or chaff) from **heavier particles** (such as grains or seeds) using the action of wind or air currents.
- **Principle:** The method works on the difference in **weight (density)** between the two substances — lighter materials are blown away by air, while heavier materials fall straight down.
- **Example:** Separating paddy rice grains from husk after threshing.



## 11. Sieving

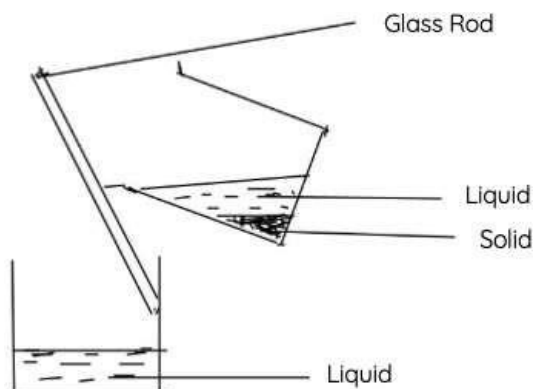
- **Definition:** Sieving is a separation technique used to separate **particles of different sizes** by passing a mixture through a **sieve** or mesh that allows smaller particles to pass through while retaining the larger ones.
- **Principle:** The method works based on the **difference in particle size**.
- **Example:** Separating wheat flour from bran using a fine mesh sieve.



## 12. Sedimentation

- **Definition:** Sedimentation is a separation technique in which **insoluble, heavier particles** in a liquid settle at the bottom under the influence of **gravity**.
- **Principle:** The method is based on the **difference in density** between solid particles and the liquid.

- **Example:** Allowing muddy water to stand so that sand and mud settle at the bottom.



### Evaluation

1. Define separation techniques and state three factors that determine the choice of method.
2. Distinguish between simple distillation and fractional distillation.
3. Give two examples of substances that can be separated by sublimation.
4. Explain the principle behind chromatography.
5. Name three separation techniques based on density differences.

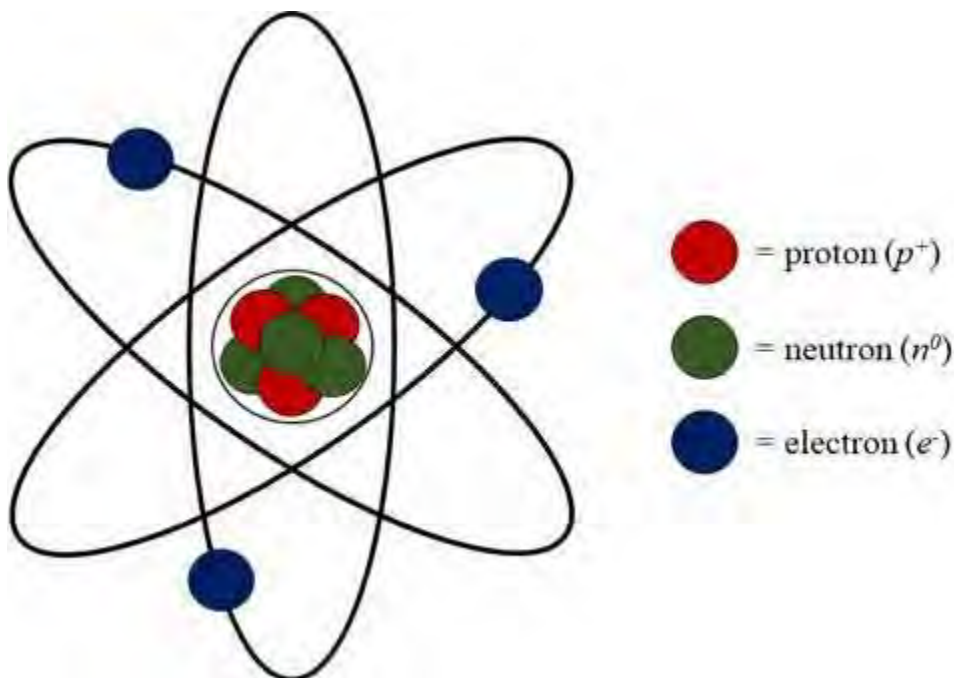
### Assignment

- Draw and label the apparatus for filtration, simple distillation, chromatography, and separating funnel method.
- Research two industrial applications of fractional distillation and write short notes on them.

## WEEK 6 – ATOMIC STRUCTURE – STRUCTURE OF THE ATOM, SUBATOMIC PARTICLES

### Meaning of Atom

- An **atom** is the smallest particle of an element that takes part in chemical reactions and retains the chemical properties of that element.
- Atoms are extremely small: e.g., radius  $\approx 10^{-10}$  m.



### Historical Development of the Atomic Model

#### 1. Dalton's Atomic Theory (1803)

- Atoms are indivisible, indestructible particles.
- Atoms of the same element are identical; atoms of different elements differ.
- Atoms combine in simple ratios to form compounds.
- Limitation: Failed to explain subatomic particles and isotopes.

#### 2. Thomson's Model (1897) – Plum pudding model

- Discovered the **electron**.
- Proposed that an atom is a sphere of positive charge with electrons embedded.
- Limitation: Could not explain the stability of atoms.

#### 3. Rutherford's Model (1911) – Nuclear model

- Gold foil experiment showed atoms are mostly empty space.
- Nucleus at the center, containing positive charges (protons).
- Electrons revolve around nucleus like planets.
- Limitation: Could not explain why electrons don't collapse into the nucleus.

#### 4. Bohr's Model (1913) – Planetary model

- Electrons revolve in fixed orbits (energy levels/shells).
- Energy is absorbed or released when electrons jump between shells.
- Limitation: Could not fully explain multi-electron atoms.

#### 5. Modern Atomic Theory (Quantum Mechanical Model)

- Developed by Schrödinger, Heisenberg, etc.
- Electrons are in regions called **orbitals**, not fixed paths.
- Atoms consist of a dense nucleus (protons + neutrons) with electrons in shells/subshells.

#### Subatomic Particles

Particle	Symbol	Charge	Relative Mass	Location in Atom
Proton	p <sup>+</sup>	+1	1 a.m.u. ( $\approx 1.67 \times 10^{-27}$ kg)	In nucleus
Neutron	n <sup>0</sup>	0	1 a.m.u. ( $\approx 1.67 \times 10^{-27}$ kg)	In nucleus
Electron	e <sup>-</sup>	-1	1/1836 a.m.u. ( $\approx 9.11 \times 10^{-31}$ kg)	Orbiting nucleus in shells

- **Protons:** Determine the identity of an element (Atomic number).
- **Neutrons:** Provide stability in the nucleus.
- **Electrons:** Involved in chemical bonding and reactions.

#### Atomic Number and Mass Number

- **Atomic Number (Z):** Number of protons in the nucleus.
- **Mass Number (A):** Number of protons + neutrons.
- **Neutron number (N):**  $N = A - Z$ .

Example: Carbon-12 has  $Z = 6$ ,  $A = 12 \rightarrow$  Protons = 6, Neutrons = 6, Electrons = 6.

## Isotopes

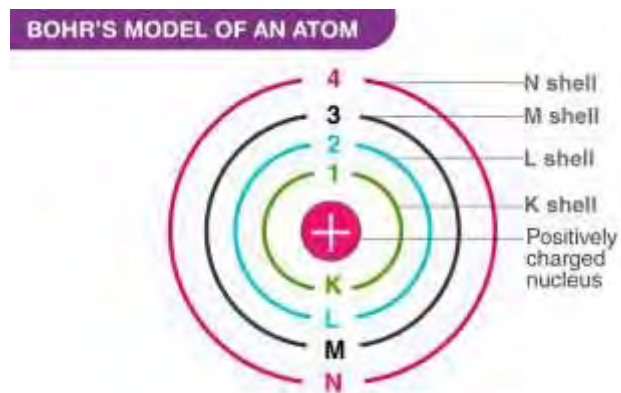
- Atoms of the same element (same  $Z$ ) but different mass numbers ( $A$ ).
- Example:  $^{12}\text{C}$ ,  $^{13}\text{C}$ ,  $^{14}\text{C}$  are isotopes of carbon.
- They have similar chemical properties but different physical properties.

## Atomic Structure Representation

- Electrons are arranged in **shells** (K, L, M, N) according to the  $2n^2$  rule:
  - K shell  $\rightarrow$  2 electrons
  - L shell  $\rightarrow$  8 electrons
  - M shell  $\rightarrow$  18 electrons
  - N shell  $\rightarrow$  32 electrons

Example:

- Sodium ( $Z = 11$ )  $\rightarrow$  2, 8, 1
- Oxygen ( $Z = 8$ )  $\rightarrow$  2, 6



## EVALUATION

1. Define an atom.
2. State three limitations of Dalton's Atomic Theory.
3. Mention the scientist who discovered the electron.
4. Distinguish between **atomic number** and **mass number**.
5. Write the electronic configuration of:
  - Magnesium ( $Z = 12$ )

- Chlorine ( $Z = 17$ )

6. Fill in the table:

Element	Atomic Number	Mass Number	Protons	Neutrons	Electrons
Sodium	11	23	?	?	?
Oxygen	8	16	?	?	?

### ASSIGNMENT

1. List and explain **five differences** between Bohr's model and Rutherford's model of the atom.
2. Write the electronic configurations of the following elements:
  - (a) Nitrogen ( $Z = 7$ )
  - (b) Potassium ( $Z = 19$ )
  - (c) Sulphur ( $Z = 16$ )
3. Neon ( $Z = 10$ ,  $A = 20$ ). Determine the number of protons, neutrons, and electrons.
4. Explain briefly the significance of isotopes in:
  - Medicine
  - Agriculture
  - Industry

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