

SS 1 SCIENCE – FIRST TERM SCHEME OF WORK

New NERDC Approved Senior Secondary Education Curriculum (SSEC) 2025

Federal Republic of Nigeria – Senior Secondary School One (Science Class)

Weeks 1–10 | All Subjects: Core (4) + Trade (1) + Science Field (8) = 13 Subjects Total

Official SS1 Subject Structure (NERDC SSEC 2025): Every SS1 student – regardless of Science, Arts, or Commercial class – must offer 5 Core/Compulsory subjects: English Language, General Mathematics, Citizenship and Heritage Studies, Digital Technologies, and ONE Trade Subject. Science students then add their Science Field subjects. This document covers the 4 compulsory core subjects + 8 selected Science Field subjects + 4 Trade Subject options (student picks one). Total shown per week = 16 rows (12 regular + 4 trade options).

Note on Trade Subjects (highlighted in green): Each SS1 student chooses ONE trade subject from the six NERDC-approved trades. This scheme includes the four trades most relevant to Science students: Computer Hardware & GSM Repairs, Livestock Farming, Beauty & Cosmetology, and Horticulture & Crop Production. The school or student selects only one; the other three rows are for reference only. Trade subjects are shown with a green background in each weekly table.

Note on Science Field Subjects: Science students select their subjects from the approved Science Field list. This scheme includes 8 of the 10 available Science Field subjects: Biology, Chemistry, Physics, Agricultural Science, Further Mathematics, Geography, Foods & Nutrition, and Technical Drawing. Physical Education and Health Education (also Science Field subjects) are not included here but may be added by schools according to their specific combination.

SS1 SCIENCE – APPROVED SUBJECT STRUCTURE SUMMARY

CATEGORY	SUBJECTS IN THIS SCHEME	STATUS
A. Core & Compulsory (All SS1 Students)	1. English Language 2. General Mathematics 3. Citizenship & Heritage Studies 4. Digital Technologies	Compulsory for ALL
B. Trade Subject (Choose ONE)	Option 1: Computer Hardware & GSM Repairs Option 2: Livestock Farming Option 3: Beauty & Cosmetology Option 4: Horticulture & Crop Production	ONE trade is compulsory (All 4 options shown in scheme)
C. Science Field (Selected subjects)	5. Biology 6. Chemistry 7. Physics 8. Agricultural Science 9. Further Mathematics 10. Geography 11. Foods & Nutrition 12. Technical Drawing	8 of 10 Science Field subjects included

FIRST TERM WEEKLY SCHEME OF WORK

WEEK	SUBJECT	TOPIC / CONTENT
Week 1	English Language	Revision of JSS grammar; comprehension – reading for main ideas and identifying topic sentences
	General Mathematics	Review of JSS work – number bases; converting between base 2, 8, 10, and 16
	Citizenship and Heritage Studies	Meaning and importance of citizenship; distinction between citizenship and nationality

	Digital Technologies	Introduction to data and information – meaning, types, and relationship between data and information
	Biology	Characteristics of living things – differences between living and non-living things; MRSGREN
	Chemistry	Introduction to chemistry – meaning, branches, and importance; career opportunities in chemistry
	Physics	Introduction to physics – scope and branches; physical quantities and their classification
	Agricultural Science	Meaning and importance of agriculture – definition, branches, and role in Nigerian economy
	Further Mathematics	Review of basic algebra – expansion, factorization, and algebraic fractions
	Geography	Meaning and scope of geography – definition, branches (physical and human), and relevance
	Foods and Nutrition	Meaning and importance of food and nutrition – definition, why we eat, consequences of poor nutrition
	Technical Drawing	Introduction to technical drawing – meaning, importance, and applications in everyday life
	TRADE: Computer Hardware & GSM Repairs	Introduction to computer hardware – meaning, importance, components (CPU, RAM, storage, motherboard); tools used in repairs
	TRADE: Livestock Farming	Introduction to livestock farming – meaning, importance, types of farm animals; role in food security and economy
	TRADE: Beauty & Cosmetology	Introduction to beauty and cosmetology – meaning, scope, career opportunities; safety and hygiene in the salon
	TRADE: Horticulture & Crop Production	Introduction to horticulture – meaning, branches (pomology, floriculture, olericulture, landscaping); importance to Nigeria

WEEK	SUBJECT	TOPIC / CONTENT
Week 2	English Language	Vocabulary development – synonyms and antonyms; building word families from root words
	General Mathematics	Indices and standard form – laws of indices; expressing numbers in standard form ($A \times 10^n$)
	Citizenship and Heritage Studies	Qualities of a good citizen – honesty, patriotism, responsibility, tolerance, law-abiding behaviour
	Digital Technologies	Components of a computer system – hardware vs software; CPU, memory, storage, peripherals
	Biology	Cell structure and functions – plant and animal cells; organelles and their roles (nucleus, mitochondria, chloroplast, etc.)

	Chemistry	Laboratory apparatus and their uses – beakers, flasks, burettes, pipettes, Bunsen burner; safety in the lab
	Physics	Measurement and units – SI units; measuring length, mass, time, temperature, and electric current
	Agricultural Science	Problems of agricultural development in Nigeria – poor funding, land tenure, pests, poor storage, low technology
	Further Mathematics	Surds and indices – simplifying surds, rationalizing denominators, applying laws of indices
	Geography	Branches of geography – physical geography (geomorphology, climatology, oceanography) and human geography (economic, social, political)
	Foods and Nutrition	Classes of food – carbohydrates: types (sugars and starches), sources, functions, deficiency effects
	Technical Drawing	Drawing instruments and their uses – T-square, set squares, compass, protractor, drawing board, scale rule
	TRADE: Computer Hardware & GSM Repairs	Computer hardware components in detail – motherboard, processor types (Intel/AMD), RAM types (DDR4/DDR5), storage (HDD/SSD)
	TRADE: Livestock Farming	Types of livestock and their products – cattle (beef/dairy), poultry (eggs/meat), goats, sheep, pigs, fish
	TRADE: Beauty & Cosmetology	Skin types and care – normal, oily, dry, combination, sensitive skin; cleansing, toning, and moisturizing routines
	TRADE: Horticulture & Crop Production	Types of horticultural crops – fruits, vegetables, ornamental plants, flowers; examples of each grown in Nigeria

WEEK	SUBJECT	TOPIC / CONTENT
Week 3	English Language	Concord (subject–verb agreement) – rules and common exceptions; singular/plural subjects with collective nouns
	General Mathematics	Logarithms – definition, laws of logarithms; using log tables for multiplication and division
	Citizenship and Heritage Studies	Duties and responsibilities of citizens – civic, legal, moral responsibilities; balancing rights with duties
	Digital Technologies	Input and output devices – keyboard, mouse, scanner, microphone (input); monitor, printer, speakers (output)
	Biology	Microscopy and cell observation – types of microscopes; preparing slides; observing plant and animal cells under the microscope
	Chemistry	Safety rules in the laboratory – safety symbols, handling chemicals, fire safety, first aid in the lab; COSHH
	Physics	Scalars and vectors – definition, examples; addition of vectors using triangle and parallelogram laws

	Agricultural Science	Farm tools and implements – cutlass, hoe, shovel, tractor, plough; proper use and maintenance of tools
	Further Mathematics	Logarithms (advanced applications) – solving equations using logarithms; change of base formula
	Geography	Earth as a planet – shape and size of the earth; evidence of earth's sphericity; layers of the earth
	Foods and Nutrition	Proteins – types (complete/incomplete), animal and plant sources, functions, consequences of protein deficiency (kwashiorkor)
	Technical Drawing	Care of drawing instruments – cleaning, storage, maintenance; importance of neat and accurate drawings
	TRADE: Computer Hardware & GSM Repairs	Basic electronics for repairs – voltage, current, resistance; Ohm's Law; basic electronic components (resistors, capacitors, diodes)
	TRADE: Livestock Farming	Housing for livestock – requirements of good animal housing; types of housing structures for poultry, cattle, and pigs
	TRADE: Beauty & Cosmetology	Hair types and care – natural hair textures (coily, wavy, straight); hair analysis; basic shampooing and conditioning
	TRADE: Horticulture & Crop Production	Soil preparation for horticulture – clearing, tilling, composting; importance of soil pH for plant growth

WEEK	SUBJECT	TOPIC / CONTENT
Week 4	English Language	Essay writing – narrative essay: structure (introduction, rising action, climax, falling action, conclusion); examples
	General Mathematics	Sets and Venn diagrams – notation, types of sets, union, intersection, complement; solving problems with two and three sets
	Citizenship and Heritage Studies	National symbols and their importance – flag, coat of arms, national anthem, pledge, currency; their historical origins
	Digital Technologies	Computer software – types: system software (OS, utility programs) and application software (word processor, spreadsheet, browser)
	Biology	Levels of organization in living things – cell → tissue → organ → organ system → organism; examples from plants and animals
	Chemistry	Matter – states and properties: solid, liquid, gas; properties of each state; changes of state (melting, boiling, condensation, sublimation)
	Physics	Position, distance, and displacement – definitions and differences; representing motion on a number line

	Agricultural Science	Soil – formation and types: residual, transported (alluvial, marine, aeolian, glacial); how soil forms over time
	Further Mathematics	Functions and graphs – definition, notation (f(x)); domain and range; drawing graphs of linear, quadratic, and other functions
	Geography	Rotation and revolution of the earth – day/night cycle; seasons; evidence of rotation (Coriolis effect)
	Foods and Nutrition	Fats and oils – types (saturated/unsaturated), sources, functions in the body, effects of too much fat; cholesterol
	Technical Drawing	Basic drawing techniques – lettering (Gothic, Roman); standard lettering heights; the importance of legible lettering in technical drawings
	TRADE: Computer Hardware & GSM Repairs	Assembling a computer – step-by-step process of connecting components; boot sequence; POST (Power On Self Test)
	TRADE: Livestock Farming	Feeding of livestock – types of feeds (roughages, concentrates, supplements); feed formulation basics; water requirements
	TRADE: Beauty & Cosmetology	Nail care and manicure – nail structure, nail tools, basic manicure procedure; nail disorders and their identification
	TRADE: Horticulture & Crop Production	Propagation of horticultural crops – sexual (seeds) and asexual methods (cuttings, budding, grafting, layering); advantages of each

WEEK	SUBJECT	TOPIC / CONTENT
Week 5	English Language	Comprehension – reading for inference: identifying implied meaning, author's tone and purpose; answering inference questions
	General Mathematics	Linear equations – forming and solving one-variable equations; word problems involving linear equations
	Citizenship and Heritage Studies	Democracy and rule of law – meaning, features of democracy; importance of rule of law to good governance
	Digital Technologies	Operating systems – functions of an OS; popular OSes (Windows, macOS, Linux, Android); desktop management
	Biology	Nutrition in plants – autotrophic nutrition; photosynthesis equation; role of chlorophyll, light, water, CO ₂ ; leaf adaptations
	Chemistry	Elements, compounds, and mixtures – definitions, differences, examples; pure substances vs. mixtures
	Physics	Speed, velocity, and acceleration – definitions, formulae; uniform and non-uniform motion; worked examples

	Agricultural Science	Soil properties – physical (texture, structure, colour, drainage), chemical (pH, mineral content), and biological (microorganisms)
	Further Mathematics	Linear inequalities – solving and graphing linear inequalities in one and two variables; applications
	Geography	Latitude and longitude – definitions, significance, time zones; calculating local time from longitude
	Foods and Nutrition	Vitamins – fat-soluble (A, D, E, K) and water-soluble (B complex, C); sources, functions, and deficiency diseases for each
	Technical Drawing	Types of lines and their uses – outline, hidden detail, centre, dimension, section, leader lines; drawing with correct line weights
	TRADE: Computer Hardware & GSM Repairs	Diagnosing hardware faults – common symptoms of hardware failure; diagnostic tools; troubleshooting a computer that won't boot
	TRADE: Livestock Farming	Health management in livestock – common livestock diseases (Newcastle disease, FMD, trypanosomiasis); vaccination schedules; biosecurity
	TRADE: Beauty & Cosmetology	Facial treatments – skin analysis, cleansing, exfoliation, masks, toning, moisturizing; basic facial massage techniques
	TRADE: Horticulture & Crop Production	Nursery management – setting up a plant nursery; transplanting seedlings; hardening off; caring for young plants

WEEK	SUBJECT	TOPIC / CONTENT
Week 6	English Language	Letter writing – formal letters: application for employment, complaints, official correspondence; layout and format
	General Mathematics	Simultaneous equations – solving by substitution, elimination, and graphical methods; word problems
	Citizenship and Heritage Studies	Peace and conflict resolution – causes of conflict; methods of resolving conflict; role of dialogue and negotiation
	Digital Technologies	Word processing concepts – creating, formatting, saving, and printing documents in MS Word / Google Docs
	Biology	Photosynthesis in detail – light and dark reactions; factors affecting rate of photosynthesis (light intensity, CO ₂ , temperature, water)
	Chemistry	Separation techniques – filtration, evaporation, distillation (simple and fractional), sublimation, chromatography; practical examples
	Physics	Graphical representation of motion – distance-time graphs; velocity-time graphs; calculating distance, velocity, and acceleration from graphs

	Agricultural Science	Soil fertility and conservation – meaning of soil fertility; factors affecting it; conservation methods (terracing, crop rotation, cover crops)
	Further Mathematics	Matrices and determinants – order of a matrix; addition, subtraction, multiplication; determinant of 2×2 and 3×3 matrices
	Geography	Weather and climate – differences; elements of weather (temperature, rainfall, humidity, wind, sunshine); factors affecting climate
	Foods and Nutrition	Minerals – macro minerals (calcium, iron, phosphorus) and trace minerals; sources, functions, and effects of mineral deficiency
	Technical Drawing	Plain scales and their use – representing actual measurements on paper; calculating representative fractions (RF); drawing a plain scale
	TRADE: Computer Hardware & GSM Repairs	GSM technology basics – meaning of GSM; how mobile networks work; components of a mobile phone (SIM card, antenna, battery, screen)
	TRADE: Livestock Farming	Livestock products and by-products – milk processing, egg grading, hide and skin uses, manure for fertilizer; value chain in livestock
	TRADE: Beauty & Cosmetology	Make-up basics – types of makeup (day, evening, bridal); makeup tools; foundation application; colour theory in makeup
	TRADE: Horticulture & Crop Production	Irrigation in horticulture – types (drip, sprinkler, furrow); importance of irrigation; water management for vegetable crops

WEEK	SUBJECT	TOPIC / CONTENT
Week 7	English Language	Summary writing skills – identifying key points; paraphrasing; condensing passages to required length without losing meaning
	General Mathematics	Quadratic equations – factorization, completing the square, and quadratic formula; word problems involving quadratics
	Citizenship and Heritage Studies	Human rights and dignity – meaning; categories of rights (civil, political, economic, social, cultural); UDHR
	Digital Technologies	Spreadsheet introduction – MS Excel / Google Sheets: creating worksheets, entering data, formatting cells
	Biology	Respiration in plants and animals – aerobic and anaerobic respiration; equation; comparison with photosynthesis; respiratory organs
	Chemistry	Physical and chemical changes – definitions, differences, reversibility; examples from daily life

	Physics	Circular motion – definition, angular velocity, centripetal force; examples (satellites, roundabouts, rotating machinery)
	Agricultural Science	Crop production – classification of crops by use (food crops, cash crops, industrial crops) and by botanical family
	Further Mathematics	Vectors in two dimensions – representation, addition, subtraction, scalar multiplication; unit vectors i and j notation
	Geography	Rocks – types (igneous, sedimentary, metamorphic); formation of each; examples and economic uses
	Foods and Nutrition	Balanced diet and meal planning – meaning of balanced diet; factors for meal planning (age, sex, occupation, health, budget); planning a day's menu
	Technical Drawing	Freehand sketching – importance; proportions and techniques; sketching geometric shapes; isometric and oblique sketching
	TRADE: Computer Hardware & GSM Repairs	Mobile phone repair tools – screwdrivers, spudgers, heat guns, multimeters; safety precautions when repairing mobile phones
	TRADE: Livestock Farming	Records in livestock farming – types of records (production, financial, health, breeding records); importance of record keeping
	TRADE: Beauty & Cosmetology	Pedicure and foot care – foot analysis, pedicure tools, pedicure procedure; common foot conditions and their management
	TRADE: Horticulture & Crop Production	Pest and disease management in horticulture – common pests (aphids, whitefly, caterpillars); diseases; IPM (Integrated Pest Management)

WEEK	SUBJECT	TOPIC / CONTENT
Week 8	English Language	Speech sounds – vowels and consonants: pure vowels, diphthongs, consonant clusters; pronunciation practice
	General Mathematics	Geometry – lines, angles, and triangles: types of angles; angle properties (parallel lines, triangles); angle sum theorem
	Citizenship and Heritage Studies	Corruption and its consequences – types (bribery, nepotism, embezzlement); impact on development; anti-corruption bodies (EFCC, ICPC)
	Digital Technologies	Entering and editing data in spreadsheets – formulae (SUM, AVERAGE, MIN, MAX); relative and absolute cell references
	Biology	Transport system in plants – water uptake by roots; movement through xylem; transpiration and its importance; translocation in phloem

	Chemistry	Atomic theory – Dalton's atomic theory; discovery of the electron (Thomson), proton (Rutherford), neutron (Chadwick); evolution of atomic models
	Physics	Friction – types (static, kinetic); laws of friction; advantages and disadvantages; methods of reducing friction
	Agricultural Science	Crop propagation methods – sexual (seeds) and asexual (cuttings, budding, grafting, layering, suckers); advantages of each
	Further Mathematics	Introduction to differentiation – concept of limit; first principle; differentiating polynomials, trigonometric, and exponential functions
	Geography	Landforms – mountains, valleys, plains, plateaus, ridges; formation and examples from Nigeria and the world
	Foods and Nutrition	Food spoilage and preservation – causes of food spoilage (microorganisms, enzymes, oxygen); methods of preservation (drying, canning, refrigeration, smoking)
	Technical Drawing	Plane geometry – drawing triangles, quadrilaterals, polygons using drawing instruments; bisecting lines and angles
	TRADE: Computer Hardware & GSM Repairs	Diagnosing GSM phone faults – common mobile phone faults (no power, no network, broken screen, water damage); systematic fault-finding approach
	TRADE: Livestock Farming	Marketing of livestock products – pricing, local markets vs export market; cooperative farming and aggregation for better market access
	TRADE: Beauty & Cosmetology	Hair colouring basics – types of hair colour (temporary, semi-permanent, permanent); application techniques; safety (patch test, gloves)
	TRADE: Horticulture & Crop Production	Harvesting and post-harvest handling – maturity indices for fruits and vegetables; harvesting tools; grading, sorting, packaging, and storage

WEEK	SUBJECT	TOPIC / CONTENT
Week 9	English Language	Essay writing – descriptive essay: using sensory details; describing people, places, and events vividly; structure and examples
	General Mathematics	Trigonometry introduction – sine, cosine, tangent ratios in right-angled triangles; using trigonometric tables; angles of elevation and depression
	Citizenship and Heritage Studies	Patriotism and national unity – meaning of patriotism; Nigeria's diversity as strength; ways of promoting national unity
	Digital Technologies	Presentation packages – basics: creating slides in PowerPoint / Google Slides; adding text, images, transitions; designing an effective presentation

	Biology	Transport system in animals – components of blood (plasma, red cells, white cells, platelets); heart structure; double circulation in mammals
	Chemistry	Structure of the atom – atomic number, mass number, isotopes; electronic configuration; Bohr model; understanding periods and groups
	Physics	Density and relative density – definition, formula, units; measuring density of solids and liquids; applications (floating and sinking)
	Agricultural Science	Animal husbandry – meaning, types; importance to the Nigerian economy; poultry, cattle, fishery as case studies
	Further Mathematics	Introduction to integration – integration as the reverse of differentiation; integrating polynomials; definite and indefinite integrals
	Geography	Map reading and interpretation – types of maps; scale (linear and ratio); direction (compass); contour lines; interpreting relief features
	Foods and Nutrition	Kitchen hygiene and safety – personal hygiene for food handlers; cleaning and sanitizing surfaces; preventing cross-contamination; safe food temperatures
	Technical Drawing	Solid geometry and orthographic projection – drawing objects in first and third angle projection; front, side, and plan views
	TRADE: Computer Hardware & GSM Repairs	Preventive maintenance – cleaning computers and phones; updating software; replacing thermal paste; backup importance; end-of-session practical
	TRADE: Livestock Farming	Entrepreneurship in livestock farming – starting a small poultry or fish farm; business plan; startup costs; income projection
	TRADE: Beauty & Cosmetology	Entrepreneurship in cosmetology – setting up a home or mobile salon; pricing services; client management; record keeping
	TRADE: Horticulture & Crop Production	Entrepreneurship in horticulture – starting a small market garden; choosing crops for profit; record keeping; selling produce locally

WEEK	SUBJECT	TOPIC / CONTENT
Week 10	English Language	General revision of all first term topics – grammar, essay writing, comprehension, letter writing, speech work; revision test
	General Mathematics	General revision of all first term topics – number bases, indices, logarithms, sets, equations, geometry, trigonometry; revision test
	Citizenship and Heritage Studies	General revision of all first term topics – citizenship, national symbols, democracy, human rights, corruption, patriotism; revision test

	Digital Technologies	General revision of all first term topics – data/information, hardware/software, OS, word processing, spreadsheets, presentations; revision test
	Biology	General revision of all first term topics – cell structure, cell organization, nutrition, photosynthesis, respiration, transport; revision test
	Chemistry	General revision of all first term topics – lab safety, matter, elements/compounds/mixtures, separation techniques, atomic structure; revision test
	Physics	General revision of all first term topics – scalars/vectors, motion, velocity, graphs, circular motion, friction, density; revision test
	Agricultural Science	General revision of all first term topics – importance of agriculture, tools, soil, crop classification, propagation, animal husbandry; revision test
	Further Mathematics	General revision of all first term topics – algebra, surds, logarithms, functions, inequalities, matrices, vectors, calculus intro; revision test
	Geography	General revision of all first term topics – scope, earth as planet, rotation/revolution, latitude/longitude, weather/climate, rocks, landforms, maps; revision test
	Foods and Nutrition	General revision of all first term topics – food classes (carbs, proteins, fats, vitamins, minerals), balanced diet, preservation, kitchen safety; revision test
	Technical Drawing	General revision of all first term topics – instruments, lines, lettering, scales, freehand sketching, plane geometry, orthographic projection; revision test
	TRADE: Computer Hardware & GSM Repairs	General revision and practical assessment – all first term topics; assemble/disassemble a device; diagnose a fault; written test
	TRADE: Livestock Farming	General revision and practical assessment – all first term topics; identify farm animals and their products; written and practical test
	TRADE: Beauty & Cosmetology	General revision and practical assessment – all first term topics; perform a basic skincare or nail procedure; written test
	TRADE: Horticulture & Crop Production	General revision and practical assessment – all first term topics; identify horticultural crops and propagation materials; written test

FIRST TERM SUBJECT OVERVIEW

SUBJECT	FIRST TERM FOCUS AREAS
English Language	JSS Grammar Revision, Vocabulary (Synonyms/Antonyms), Concord/Subject-Verb Agreement, Narrative Essay, Comprehension (Inference), Formal Letter Writing, Summary Writing, Speech Sounds (Vowels/Consonants/Diphthongs), Descriptive Essay

General Mathematics	Number Bases, Indices & Standard Form, Logarithms, Sets & Venn Diagrams (2 & 3 sets), Linear Equations, Simultaneous Equations, Quadratic Equations, Geometry (Lines/Angles/Triangles), Introduction to Trigonometry (SOHCAHTOA)
Citizenship and Heritage Studies	Meaning of Citizenship, Qualities of a Good Citizen, Duties & Responsibilities, National Symbols, Democracy & Rule of Law, Peace & Conflict Resolution, Human Rights & Dignity (UDHR), Corruption & Anti-corruption Bodies, Patriotism & National Unity
Digital Technologies	Data & Information, Computer System Components, Input/Output Devices, System & Application Software, Operating Systems, Word Processing (MS Word), Spreadsheets (MS Excel – formulae), Presentation Packages (PowerPoint)
Biology	Characteristics of Living Things, Cell Structure & Organelles, Microscopy & Cell Observation, Levels of Organization, Nutrition in Plants, Photosynthesis (factors affecting rate), Respiration (aerobic/anaerobic), Transport in Plants (xylem/phloem/transpiration), Transport in Animals (blood/heart/circulation)
Chemistry	Intro to Chemistry, Lab Apparatus & Safety Symbols, Matter (states/changes of state), Elements/Compounds/Mixtures, Separation Techniques, Physical vs Chemical Changes, Atomic Theory (Dalton/Thomson/Rutherford/Chadwick), Structure of the Atom (atomic number, mass number, isotopes, electronic configuration)
Physics	Intro to Physics (branches/scope), Measurement & SI Units, Scalars & Vectors, Position/Distance/Displacement, Speed/Velocity/Acceleration, Motion Graphs (distance-time/velocity-time), Circular Motion & Centripetal Force, Friction (types/laws/reduction), Density & Relative Density
Agricultural Science	Meaning & Importance of Agriculture, Problems of Agricultural Development, Farm Tools & Implements, Soil Formation & Types, Soil Properties (physical/chemical/biological), Soil Fertility & Conservation, Crop Classification, Crop Propagation Methods, Animal Husbandry
Further Mathematics	Basic Algebra Review, Surds & Indices, Logarithms (advanced), Functions & Graphs (domain/range), Linear Inequalities, Matrices & Determinants (2×2 and 3×3), Vectors in 2D, Introduction to Differentiation (first principle), Introduction to Integration
Geography	Meaning & Scope of Geography, Branches (Physical & Human), Earth as a Planet (shape/layers), Rotation & Revolution, Latitude & Longitude (time zones), Weather & Climate, Rocks (types/formation), Landforms, Map Reading & Interpretation (scale/contours/direction)
Foods and Nutrition	Meaning & Importance of Nutrition, Carbohydrates (types/sources/functions), Proteins (complete/incomplete/deficiency), Fats & Oils (saturated/unsaturated/cholesterol), Vitamins (fat-soluble/water-soluble), Minerals (macro/trace), Balanced Diet & Meal Planning, Food Spoilage & Preservation, Kitchen Hygiene & Safety
Technical Drawing	Meaning & Importance of Technical Drawing, Drawing Instruments & Their Uses, Care of Instruments, Lettering (Gothic/Roman), Types of Lines & Line Weights, Plain Scales (RF), Freehand Sketching, Plane Geometry (bisection/polygons), Orthographic Projection (1st & 3rd angle)
TRADE: Computer Hardware & GSM Repairs	Introduction to Computer Hardware, Components in Detail (CPU/RAM/Storage/Motherboard), Basic Electronics (Ohm's Law), Assembling a Computer, Hardware Fault Diagnosis, GSM Technology Basics, Mobile Phone Components, Repair Tools, GSM Fault Diagnosis, Preventive Maintenance

TRADE: Livestock Farming	Intro to Livestock Farming, Types of Livestock & Products, Housing Requirements & Structures, Livestock Feeds & Water, Health Management (diseases/vaccination/biosecurity), Livestock By-products, Farm Records, Marketing of Livestock Products, Entrepreneurship in Livestock Farming
TRADE: Beauty & Cosmetology	Intro to Beauty & Cosmetology, Skin Types & Care Routines, Hair Types & Care, Nail Care & Manicure, Facial Treatments, Pedicure & Foot Care, Make-up Basics & Colour Theory, Hair Colouring Basics, Entrepreneurship in Cosmetology
TRADE: Horticulture & Crop Production	Intro to Horticulture, Types of Horticultural Crops, Soil Preparation, Propagation Methods, Nursery Management, Irrigation in Horticulture, Pest & Disease Management (IPM), Harvesting & Post-Harvest Handling, Entrepreneurship in Horticulture

Important Notes: *Week 11 = General Revision across all subjects. Week 12 = First Term Examination (objective and theory). Week 13 = Marking, result compilation, and end-of-term closing activities. Trade subjects require practical assessment in addition to written tests.*

Abbreviations: SSEC = Senior Secondary Education Curriculum | NERDC = Nigerian Educational Research and Development Council | WAEC = West African Examinations Council | NECO = National Examinations Council | NABTEB = National Business and Technical Examinations Board | IPM = Integrated Pest Management

Source: New NERDC Approved Senior Secondary Education Curriculum (SSEC) 2025, Federal Ministry of Education Press Release (September 2025), NERDC.gov.ng SSEC Portal, itsmyschoollibrary.wordpress.com (SS1 First Term Scheme, verified September 2025). For SS1 Science students from 2025/2026 session onwards.