

SS 2 SCIENCE – FIRST TERM SCHEME OF WORK

New NERDC Approved Senior Secondary Education Curriculum (SSEC) 2025

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

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

About This Term: The First Term of SS2 Science builds on SS1 foundations and introduces new depth across every subject. English moves into the argumentative and expository essay, speech stress/intonation and summary writing; Mathematics covers logarithms, surds, variation, progressions, statistics and probability; Biology covers the classification of living things through all five kingdoms; Chemistry covers the periodic table, chemical bonding and the gas laws; Physics covers pressure, Archimedes' principle, machines, heat and sound; Agricultural Science covers farm structures, mechanization, and crop pest/disease management; Further Mathematics covers functions, coordinate and circle geometry, trigonometry, differentiation and integration; Geography, Foods & Nutrition and Technical Drawing follow parallel progressions. All 13 subjects are covered across Weeks 1–10. Week 7 is mid-term review/assessment. Week 11 = General Revision; Weeks 12–13 = Examinations.

Note on Trade Subjects (shaded green): Each SS2 student must offer ONE trade subject, continuing the trade chosen in SS1. All four trade options shown here (drawn from the six approved by NERDC) are displayed every week for reference. In the First Term, trade subjects move into more specialised, intermediate-to-advanced skills: Computer Hardware & GSM Repairs shifts from PC hardware into mobile-phone technology and GSM basics; Livestock Farming moves into ruminant (cattle, sheep, goat) production and management; Beauty & Cosmetology advances into chemical hair services, colouring, advanced braiding/weaving and cutting; Horticulture & Crop Production moves into propagation, nursery management, ornamentals and turf establishment.

FIRST TERM WEEKLY SCHEME OF WORK

WEEK	SUBJECT	TOPIC / CONTENT
Week 1	<i>NOTE: Revision of SS1 (Third Term) work across all subjects. Teachers assess areas of weakness before introducing new SS2 First Term content.</i>	
	English Language	Revision of SS1 grammar, comprehension and essay writing; introduction to comprehension – reading for specific details and factual recall.
	General Mathematics	Revision of SS1 work – indices, logarithms, sets, quadratic equations, and mensuration.
	Citizenship & Heritage Studies	Revision of SS1 topics; introduction to constitutionalism – meaning and importance of a constitution to governance.
	Digital Technologies	Revision of SS1 word processing, spreadsheets and coding; introduction to data representation – binary, decimal, and hexadecimal number systems.
	Biology	Revision of SS1 nutrition and reproduction topics; introduction to classification of living organisms – taxonomic ranks, binomial nomenclature, and the five-kingdom system.
	Chemistry	Revision of SS1 gas laws, separation techniques and acids/bases/salts; introduction to the periodic table – historical development from Döbereiner's triads to Mendeleev's table.
	Physics	Revision of SS1 work, energy, power and heat; introduction to pressure in fluids – definition, $P = F/A$, and pressure in liquids ($P = \rho gh$).
	Agricultural Science	Revision of SS1 crop production topics; introduction to farm structures and buildings – classification and factors guiding farmstead planning.

WEEK	SUBJECT	TOPIC / CONTENT
	Further Mathematics	Revision of SS1 sequences, series, trigonometry and logic; introduction to functions – types (one-to-one, many-to-one, onto), notation, domain and range.
	Geography	Revision of SS1 weather, climate and Nigeria topics; introduction to the earth's internal structure – crust, mantle, core, and evidence for layering.
	Foods and Nutrition	Revision of SS1 meal planning and cooking methods; introduction to food nutrients – classification review (carbohydrates, proteins, fats, vitamins, minerals, water).
	Technical Drawing	Revision of SS1 solid geometry and projections; review of basic drawing instruments – T-square, set squares, compasses, scale rule, and their uses.
	TRADE: Computer Hardware & GSM Repairs	Revision of SS1 hardware assembly and networking; introduction to the evolution of mobile telecommunication – from 1G to 5G, GSM and CDMA technologies.
	TRADE: Livestock Farming	Revision of SS1 poultry production topics; introduction to systems of ruminant production – extensive, semi-intensive, and intensive systems compared.
	TRADE: Beauty & Cosmetology	Revision of SS1 hair and skincare basics; introduction to chemical texture services – the chemistry of perming (softening, moulding, fixing stages).
	TRADE: Horticulture & Crop Production	Revision of SS1 fertilizer use, composting and greenhouse topics; introduction to plant propagation – sexual vs asexual methods in horticultural crops.

WEEK	SUBJECT	TOPIC / CONTENT
Week 2	English Language	Vocabulary development – idioms and figures of speech (simile, metaphor, personification) and their use in spoken and written English.
	General Mathematics	Logarithms and indices – laws of indices, introduction to logarithms, change of base, and use of logarithm tables.
	Citizenship & Heritage Studies	Features of Nigerian constitutions – supremacy of the constitution, rigidity, and the rule of law.
	Digital Technologies	Logic gates and truth tables – AND, OR, NOT, NAND and NOR gates and their truth tables.
	Biology	Kingdom Monera and Protista – characteristics of bacteria and protozoa; their economic importance and role in disease.
	Chemistry	Groups and periods – arrangement of elements by atomic number; relationship between position and electron configuration.
	Physics	Archimedes' principle – statement of the principle, upthrust, and its relation to the density of fluids.
	Agricultural Science	Farm fencing – types of fences (live, dead, electric, barbed wire); materials and cost considerations.
	Further Mathematics	Graphs of functions – sketching linear, quadratic and cubic functions; identifying intercepts and turning points.
	Geography	Types of rocks – igneous, sedimentary and metamorphic rocks; formation processes and examples.
	Foods and Nutrition	Energy-giving foods – functions of carbohydrates and fats; symptoms of energy malnutrition.
	Technical Drawing	Scales and scaling techniques – plain scales, diagonal scales, and representative fraction.

WEEK	SUBJECT	TOPIC / CONTENT
	TRADE: Computer Hardware & GSM Repairs	Types of mobile phones – feature phones vs smartphones; major operating systems (Android, iOS) and brands.
	TRADE: Livestock Farming	Management of cattle – calves, heifers and cows; identification methods (ear tagging, branding) and routine practices.
	TRADE: Beauty & Cosmetology	Chemical texture services – relaxing: the chemistry of hair relaxing, safety precautions, and strand testing.
	TRADE: Horticulture & Crop Production	Propagation by cuttings – stem, leaf, and root cuttings; rooting hormones and nursery care of cuttings.

WEEK	SUBJECT	TOPIC / CONTENT
Week 3	English Language	Essay writing – the argumentative essay: structure (introduction, points for/against, conclusion) and persuasive techniques.
	General Mathematics	Surds – simplification, rationalization of denominators, and basic operations on surds.
	Citizenship & Heritage Studies	Types of constitutions – written vs unwritten; rigid vs flexible; federal vs unitary constitutions.
	Digital Technologies	Computer networking – types (LAN, WAN, MAN) and devices (router, switch, hub, modem).
	Biology	Kingdom Fungi – characteristics, economic importance (yeast, mushrooms), and common fungal diseases.
	Chemistry	Trends in the periodic table – atomic radius, ionization energy, and electronegativity across periods and down groups.
	Physics	The law of flotation – conditions for floating and sinking; relative density and applications (ships, hydrometers, submarines).
	Agricultural Science	Farm irrigation – methods (surface, sprinkler, drip irrigation); choosing a system for different crops.
	Further Mathematics	Inequalities and regions – linear inequalities in two variables; graphing feasible regions.
	Geography	Weathering and erosion – physical, chemical and biological weathering processes; agents of erosion.
	Foods and Nutrition	Protective foods – vitamins and minerals; deficiency diseases (scurvy, rickets, goitre).
	Technical Drawing	Dimensioning – principles, types (chain, parallel) and conventions in engineering drawing.
	TRADE: Computer Hardware & GSM Repairs	Major components of a smartphone – display, battery, logic board, cameras, speakers and microphones; teardown identification.
	TRADE: Livestock Farming	Management of sheep and goats – kids/lambs and adults; their uses for meat, milk, and fibre.
	TRADE: Beauty & Cosmetology	Hair colouring theory – the colour wheel, levels and tones, and types of hair colour products.
	TRADE: Horticulture & Crop Production	Propagation by budding and grafting – methods, suitable plants, and aftercare of grafted stock.

WEEK	SUBJECT	TOPIC / CONTENT
Week 4	English Language	Lexis and structure – synonyms and antonyms; correct usage in sentences and comprehension passages.
	General Mathematics	Variation – direct, inverse and joint variation; solving real-life variation problems.
	Citizenship & Heritage Studies	Law and order in society – meaning, importance, and the agencies that maintain law and order.
	Digital Technologies	The Internet – meaning, history, uses, and services such as email, web browsing, and cloud storage.
	Biology	Kingdom Plantae – bryophytes and pteridophytes: characteristics, life cycle, and economic importance.
	Chemistry	Chemical bonding – ionic and covalent bonding: formation, properties, and examples.
	Physics	Machines – simple machines and their uses: mechanical advantage, velocity ratio, and efficiency.
	Agricultural Science	Agricultural mechanization – meaning, advantages, and types of farm machinery (tractors, ploughs, harvesters).
	Further Mathematics	Coordinate geometry – the straight line: gradient, equation of a line, and distance between two points.
	Geography	Agents of denudation – water: river processes (erosion, transportation, deposition) and resulting landforms.
	Foods and Nutrition	Body-building foods – proteins: sources, functions, and deficiency conditions (kwashiorkor, marasmus).
	Technical Drawing	Orthographic projection – first angle: principles and conventions of first-angle projection.
	TRADE: Computer Hardware & GSM Repairs	Smartphone hardware deep dive – input/output: buttons, touchscreens, and sensors (proximity, accelerometer, gyroscope).
	TRADE: Livestock Farming	Ruminant nutrition – pasture and forage management: rotational grazing, hay-making, and silage-making.
	TRADE: Beauty & Cosmetology	Practical hair colouring – application of semi-permanent colour and the colour development process.
	TRADE: Horticulture & Crop Production	Nursery establishment – site selection, potting media, seed-bed preparation, and seedling care.

WEEK	SUBJECT	TOPIC / CONTENT
Week 5	English Language	Comprehension – reading to summarize; identifying main points and distinguishing them from supporting details.
	General Mathematics	Progression – arithmetic sequence: the nth term, common difference, and sum of an arithmetic series.
	Citizenship & Heritage Studies	Fundamental human rights – categories of rights and the provisions of Chapter IV of the 1999 Constitution.
	Digital Technologies	Online safety and ethics – cyberbullying, data privacy, digital footprint, and netiquette.
	Biology	Kingdom Plantae – gymnosperms and angiosperms: distinguishing features, reproduction, and economic importance.

WEEK	SUBJECT	TOPIC / CONTENT
	Chemistry	Chemical bonding – metallic bonding: properties of metals explained by the electron-sea model.
	Physics	Work, energy, and power – calculations using $W = Fd$, $KE = \frac{1}{2}mv^2$, $PE = mgh$, and $P = W/t$.
	Agricultural Science	Farm power sources – human, animal, and mechanical power; comparison of cost and efficiency.
	Further Mathematics	Circle geometry – equation of a circle, tangents, and chords.
	Geography	Agents of denudation – wind: wind erosion processes and landforms (dunes, deflation hollows).
	Foods and Nutrition	Food spoilage – causes: microorganisms, enzyme action, and oxidation; signs of spoilage in different foods.
	Technical Drawing	Orthographic projection – third angle: comparison with first-angle projection and the conventions used.
	TRADE: Computer Hardware & GSM Repairs	Smartphone storage and memory – RAM vs internal storage; expandable storage via microSD; SIM card insertion.
	TRADE: Livestock Farming	Ruminant nutrition – feed supplements: mineral licks and formulating simple supplements for ruminants.
	TRADE: Beauty & Cosmetology	Advanced braiding and weaving (theory) – cornrows, box braids, sew-ins, and the use of hair additions.
	TRADE: Horticulture & Crop Production	Ornamental plant production – classification, uses, and cultivation of common ornamentals grown in Nigeria.

WEEK	SUBJECT	TOPIC / CONTENT
Week 6	English Language	Essay writing – the expository essay; explaining a topic clearly using examples and logical sequencing.
	General Mathematics	Progression – geometric sequence: common ratio, the n th term, and sum of a geometric series.
	Citizenship & Heritage Studies	Leadership and followership – qualities of good leadership, roles of followers, and civic responsibility.
	Digital Technologies	Word processing – advanced features: mail merge, templates, track changes, and table of contents.
	Biology	Kingdom Animalia – invertebrates: characteristics and examples from major phyla (Porifera to Arthropoda).
	Chemistry	Gas laws – Boyle's law: $P_1V_1 = P_2V_2$ at constant temperature, with worked examples.
	Physics	Heat – expansion of solids, liquids and gases: linear, area, and volume expansion, with everyday applications.
	Agricultural Science	Crop pests – identification and control: major field and storage pests, and integrated pest management (IPM).
	Further Mathematics	Trigonometric ratios of special angles – 0° , 30° , 45° , 60° , 90° evaluated without a calculator.
	Geography	River processes and landforms – waterfalls, meanders, ox-bow lakes, and floodplains.

WEEK	SUBJECT	TOPIC / CONTENT
	Foods and Nutrition	Food preservation – traditional methods: sun-drying, smoking, salting, and fermentation.
	Technical Drawing	Isometric projection – isometric axes, drawing of solids, and the isometric scale.
	TRADE: Computer Hardware & GSM Repairs	Mobile phone batteries – Li-ion vs Li-Po types; battery capacity (mAh) and safe handling/removal.
	TRADE: Livestock Farming	Breeding and reproduction in ruminants – artificial insemination (AI) and heat detection in cattle, sheep, and goats.
	TRADE: Beauty & Cosmetology	Advanced braiding and weaving (practical) – the cornrowing technique and attaching a simple weave on a mannequin.
	TRADE: Horticulture & Crop Production	Turf and lawn establishment – grass selection, seeding versus sodding, and basic lawn maintenance.

WEEK	SUBJECT	TOPIC / CONTENT
Week 7	English Language	Speech sounds – stress and intonation in spoken English; word and sentence stress patterns; mid-term test on Weeks 1–6.
	General Mathematics	Statistics – mean, median, and mode for grouped and ungrouped data; mid-term test on Weeks 1–6.
	Citizenship & Heritage Studies	Public service and accountability – the civil service, transparency, and anti-corruption agencies; mid-term test.
	Digital Technologies	Spreadsheet – formulas and functions: SUM, AVERAGE, IF, and basic chart creation; mid-term test.
	Biology	Kingdom Animalia – vertebrates: characteristics of fish, amphibians, reptiles, birds, and mammals; mid-term test.
	Chemistry	Gas laws – Charles's law: $V_1/T_1 = V_2/T_2$ at constant pressure, and the Kelvin scale; mid-term test.
	Physics	Heat transfer – conduction, convection, and radiation, with everyday examples of each; mid-term test.
	Agricultural Science	Crop diseases – causes (fungal, bacterial, viral) and methods of control; mid-term test.
	Further Mathematics	Trigonometric identities – the Pythagorean identities and simplifying trigonometric expressions; mid-term test.
	Geography	Lakes and their importance – formation of lakes and their economic significance; mid-term test.
	Foods and Nutrition	Food preservation – modern methods: canning, freezing, pasteurization, and irradiation; mid-term test.
	Technical Drawing	Oblique projection – cavalier and cabinet oblique projections; mid-term test with drawing exercises.
	TRADE: Computer Hardware & GSM Repairs	Mid-term tests and assignments – revision of mobile telecommunication evolution, phone types, components, and batteries.
	TRADE: Livestock Farming	Mid-term tests and assignments – revision of ruminant production systems, management, and nutrition.
	TRADE: Beauty & Cosmetology	Hair cutting techniques – tools and terminology (shears, clippers, layering, graduation); mid-term test.

WEEK	SUBJECT	TOPIC / CONTENT
	TRADE: Horticulture & Crop Production	Mid-term tests and assignments – revision of propagation methods, nursery practice, ornamentals, and turf establishment.

WEEK	SUBJECT	TOPIC / CONTENT
Week 8	English Language	Letter writing – informal letters; format, tone, and content when writing to friends or family.
	General Mathematics	Probability – basic concepts: sample space, simple events, and the probability of an event.
	Citizenship & Heritage Studies	National security and defense – the armed forces, paramilitary agencies, and the citizen's role in security.
	Digital Technologies	Database management – introduction to tables, fields, records, and basic data entry.
	Biology	The digestive system in humans – structure of the alimentary canal and the role of digestive enzymes.
	Chemistry	The ideal gas equation – $PV = nRT$; Avogadro's law and standard temperature and pressure (STP).
	Physics	Sound – production and properties: wavelength, frequency, speed of sound, and echo.
	Agricultural Science	Pasture and forage crops – common grasses and legumes; establishment and management of pastures.
	Further Mathematics	Differentiation – applications: rates of change, equations of tangents, maxima and minima.
	Geography	Ocean currents and tides – warm and cold currents; causes and effects of tides.
	Foods and Nutrition	Food storage facilities – silos, barns, cold storage, and home storage methods.
	Technical Drawing	Sectional views – full, half, and offset sections; hatching conventions.
	TRADE: Computer Hardware & GSM Repairs	Introduction to GSM technology – GSM architecture (BTS, BSC, MSC) and types of SIM cards.
	TRADE: Livestock Farming	Ruminant health management – control of Foot and Mouth Disease, PPR, trypanosomiasis, and internal/external parasites.
	TRADE: Beauty & Cosmetology	Hair cutting techniques – the basic blunt cut: sectioning, posture, and one-length cutting on a mannequin.
	TRADE: Horticulture & Crop Production	Pest and disease management in horticulture – common pests and diseases of ornamentals and vegetable crops.

WEEK	SUBJECT	TOPIC / CONTENT
Week 9	English Language	Summary writing practice – condensing a passage while retaining key ideas and proper sentence construction.
	General Mathematics	Mensuration – surface area and volume of solids: cylinders, cones, spheres, and prisms.
	Citizenship & Heritage Studies	Social justice and equality – meaning, importance, and challenges to social justice in Nigeria.

WEEK	SUBJECT	TOPIC / CONTENT
	Digital Technologies	Computer programming – basic concepts: algorithms, flowcharts, and simple pseudocode.
	Biology	The circulatory system in humans – heart structure, blood vessels, and the circulation of blood.
	Chemistry	Solutions – types and properties: saturated, unsaturated, and supersaturated solutions; solubility.
	Physics	Wave motion – types (transverse, longitudinal) and properties (amplitude, frequency, wavelength).
	Agricultural Science	Rangeland management – meaning, carrying capacity, and sustainable grazing practices.
	Further Mathematics	Integration – applications: area under a curve and basic indefinite integrals.
	Geography	Climate of Nigeria – climatic zones, rainfall and temperature patterns across the country's regions.
	Foods and Nutrition	Kitchen equipment and their uses – small and large equipment; care and maintenance.
	Technical Drawing	Building drawing – foundations: types of foundations and their representation in drawings.
	TRADE: Computer Hardware & GSM Repairs	Mobile network services – voice calls, SMS, MMS, and data services; configuring APN settings.
	TRADE: Livestock Farming	Dairy cattle management – milking hygiene, milk quality testing, and management of a dairy herd.
	TRADE: Beauty & Cosmetology	Salon business and ethics – qualities of a good beautician, client management, and drafting a simple business plan.
	TRADE: Horticulture & Crop Production	Post-harvest handling of horticultural produce – grading, packaging, and storage to reduce losses.

WEEK	SUBJECT	TOPIC / CONTENT
Week 10	English Language	General revision of all First Term topics – comprehension, vocabulary, essay writing, speech sounds, and letter writing; revision test.
	General Mathematics	General revision of all First Term topics – logarithms, surds, variation, progressions, statistics, probability, and mensuration; revision test.
	Citizenship & Heritage Studies	General revision of all First Term topics – constitutionalism, human rights, leadership, security, and social justice; revision test.
	Digital Technologies	General revision of all First Term topics – data representation, networking, internet, word processing, spreadsheets, databases, and programming; revision test.
	Biology	General revision of all First Term topics – classification, the five kingdoms, digestive and circulatory systems; revision test.
	Chemistry	General revision of all First Term topics – periodic table, chemical bonding, gas laws, and solutions; revision test.
	Physics	General revision of all First Term topics – pressure, flotation, machines, work/energy/power, heat, and waves; revision test.
	Agricultural Science	General revision of all First Term topics – farm structures, fencing, irrigation, mechanization, pests, diseases, and pasture/rangeland management; revision test.

WEEK	SUBJECT	TOPIC / CONTENT
	Further Mathematics	General revision of all First Term topics – functions, coordinate and circle geometry, trigonometry, differentiation, and integration; revision test.
	Geography	General revision of all First Term topics – earth structure, rocks, weathering/erosion, denudation, rivers, lakes, oceans, and climate; revision test.
	Foods and Nutrition	General revision of all First Term topics – food nutrients, spoilage, preservation, storage, and kitchen equipment; revision test.
	Technical Drawing	General revision of all First Term topics – scales, dimensioning, orthographic and isometric projection, oblique projection, sections, and building drawing; revision test with drawing exercises.
	TRADE: Computer Hardware & GSM Repairs	Safety in phone repair and general revision – ESD and battery-handling hazards; revision of all First Term topics; revision test.
	TRADE: Livestock Farming	Beef cattle management and general revision – feedlot operations; revision of all First Term ruminant-production topics; revision test.
	TRADE: Beauty & Cosmetology	Revision and project – general revision of all First Term topics; mood-board project for a complete hair makeover; revision test.
	TRADE: Horticulture & Crop Production	General revision of all First Term topics – propagation, nursery practice, ornamentals, turf, and post-harvest handling; revision test.

WEEK	SUBJECT	TOPIC / CONTENT
Week 11	GENERAL REVISION across all 13 subjects – consolidation of First Term topics; intensive past-question practice and group review sessions.	
Week 12	FIRST TERM EXAMINATION – objective and theory papers in all 13 subjects; trade subjects additionally assessed by practical examination.	
Week 13	Marking, result compilation, and end-of-term activities; resumption date for Second Term communicated to students and parents.	

FIRST TERM SUBJECT OVERVIEW

SUBJECT	FIRST TERM FOCUS AREAS
English Language	Comprehension (specific details, summarizing), Idioms & Figures of Speech, Argumentative Essay, Synonyms/Antonyms, Expository Essay, Speech Sounds (stress & intonation), Informal Letters, Summary Writing
General Mathematics	Logarithms & Indices, Surds, Variation (Direct, Inverse, Joint), Progressions (Arithmetic & Geometric), Statistics (Mean/Median/Mode), Probability, Mensuration (Surface Area & Volume of Solids)
Citizenship & Heritage Studies	Constitutionalism, Features & Types of Nigerian Constitutions, Law & Order, Fundamental Human Rights (Chapter IV), Leadership & Followership, Public Service & Accountability, National Security, Social Justice
Digital Technologies	Data Representation (Binary/Decimal/Hex), Logic Gates & Truth Tables, Computer Networking, The Internet, Online Safety & Ethics, Advanced Word Processing, Spreadsheet Formulas, Database Management, Basic Programming
Biology	Classification & the Five Kingdoms (Monera, Protista, Fungi, Plantae – bryophytes/pteridophytes/gymnosperms/angiosperms, Animalia – invertebrates/vertebrates), Human Digestive System, Human Circulatory System
Chemistry	The Periodic Table (development, groups/periods, trends), Chemical Bonding (ionic, covalent, metallic), Gas Laws (Boyle's, Charles's, Ideal Gas Equation, Avogadro's Law), Solutions (types & properties)
Physics	Pressure in Fluids, Archimedes' Principle, Law of Flotation, Simple Machines, Work/Energy/Power, Heat (expansion & transfer), Sound, Wave Motion
Agricultural Science	Farm Structures & Buildings, Farm Fencing, Irrigation, Agricultural Mechanization, Farm Power Sources, Crop Pests & Diseases, Pasture/Forage Crops, Rangeland Management
Further Mathematics	Functions (types & notation), Graphs of Functions, Linear Inequalities & Regions, Coordinate Geometry (straight line), Circle Geometry, Trigonometric Ratios & Identities, Differentiation, Integration
Geography	Earth's Internal Structure, Rock Types, Weathering & Erosion, Agents of Denudation (water & wind), River Landforms, Lakes, Ocean Currents & Tides, Climate of Nigeria
Foods and Nutrition	Food Nutrients (classification), Energy-Giving & Protective & Body-Building Foods, Food Spoilage, Food Preservation (traditional & modern), Food Storage Facilities, Kitchen Equipment
Technical Drawing	Scales, Dimensioning, Orthographic Projection (1st & 3rd angle), Isometric Projection, Oblique Projection, Sectional Views, Building Drawing (foundations)
TRADE: Computer Hardware & GSM Repairs	Evolution of Mobile Telecoms (1G–5G), Phone Types & OS, Smartphone Components & I/O, Storage/Memory, Batteries, GSM Architecture & SIM Cards, Network Services, Repair Safety
TRADE: Livestock Farming	Ruminant Production Systems, Management of Cattle/Sheep/Goats, Pasture & Forage Management, Feed Supplements, Artificial Insemination, Ruminant Health & Parasite Control, Dairy & Beef Cattle Management
TRADE: Beauty & Cosmetology	Chemical Texture Services (perming, relaxing), Hair Colouring Theory & Practice, Advanced Braiding & Weaving, Hair Cutting Techniques, Salon Business & Ethics
TRADE: Horticulture & Crop Production	Plant Propagation (cuttings, budding, grafting), Nursery Establishment, Ornamental Plant Production, Turf/Lawn Establishment, Pest & Disease Management, Post-Harvest Handling

Important Notes: *Week 7 = Mid-term Tests/Review & Assessment (all subjects). Week 11 = General Revision across all subjects. Week 12 = First Term Examination (objective and theory). Week 13 = Marking, result compilation, and end-of-term activities. Trade subjects require both written and practical assessment.*

Abbreviations: *SSEC = Senior Secondary Education Curriculum | NERDC = Nigerian Educational Research and Development Council | GSM = Global System for Mobile communications | IPM = Integrated Pest Management | AI = Artificial Insemination (Livestock Farming context) / Artificial Intelligence (Digital Technologies context) | STP = Standard Temperature and Pressure | ESD = Electrostatic Discharge*

Source / Basis: *New NERDC Approved SSEC 2025. Weekly topics compiled and cross-referenced from itsmyschoollibrary.wordpress.com ("New Scheme of Work for SS2 | First Term | 2025 NERDC curriculum") and schemeofwork.com ("NERDC Curriculum Scheme of Work for SS2" and individual Computer Hardware & GSM Repairs / Livestock Farming / Beauty & Cosmetology trade-subject pages), both verified December 2025. The Horticulture & Crop Production trade-subject weekly content was compiled by extending the established NERDC trade-curriculum progression (propagation, nursery management, ornamentals, turf, pest/disease management and post-harvest handling) in the absence of a separately published SS2 First Term scheme for that specific trade option as of this writing – schools should verify this section against their state ministry of education or [NERDC.gov.ng](https://nerdc.gov.ng) circulars before final adoption. For SS2 Science students from the 2025/2026 session onwards.*