
SCHEME OF WORK

JSS 2 – FIRST TERM

Week	Topic	Objectives	Teacher's Activities	Students' Activities	Teaching Aids	Evaluation
1	Revision of JSS 1 Science	Recall major concepts from JSS 1.	Review previous topics.	Answer revision questions.	Notes, charts.	Oral/written test.
2	Classification of Living Things	Group plants/animals using characteristics.	Explain kingdoms, classes.	Classify samples.	Charts, pictures, specimens.	Mention two kingdoms.
3	Soil Science	Identify soil types and properties.	Demonstrate soil testing.	Collect soil samples.	Jars, soils, charts.	State three types of soil.
4	Microorganisms	Explain types (bacteria, fungi, protozoa).	Show slides/pictures.	Observe and identify.	Microscope, charts.	Mention two useful microorganisms.
5	Matter and Its States	Identify solid, liquid, gas.	Demonstrate changes in state.	Participate in experiment.	Ice, beaker, burner.	Define matter.
6	Mixtures and Separation Techniques	Explain filtration, evaporation, distillation.	Demonstrate separation.	Perform experiments.	Funnels, filter paper.	Mention two separation methods.
7	Energy and Its Forms	Explain heat, light, chemical, sound, electrical.	Use examples in environment.	Identify energy types.	Charts, models.	State three forms of energy.
8	Simple Machines	Identify levers, pulleys, inclined planes.	Demonstrate mechanical advantage.	Operate simple machines.	Models, real tools.	State two types of simple machines.
9	Revision	Review all topics.	Summarize, ask questions.	Revise in groups.	Notes, charts.	Answer revision questions.

Week	Topic	Objectives	Teacher's Activities	Students' Activities	Teaching Aids	Evaluation
10	Examination	Assess understanding.	Conduct exam.	Write exam.	Exam papers.	Test results.

JSS 2 – SECOND TERM

Week	Topic	Objectives	Teacher's Activities	Students' Activities	Teaching Aids	Evaluation
1	Revision of First Term Work	Recall lessons.	Review topics.	Answer questions.	Notes.	Oral/written test.
2	The Human Skeleton	Identify major bones & joints.	Show skeletal model.	Label diagrams.	Skeleton model, charts.	Mention two functions of skeleton.
3	Circulatory System	Explain heart, blood vessels, blood.	Demonstrate with charts.	Observe pulse, breathing.	Charts, models.	State two functions of blood.
4	Respiratory System	Explain organs of respiration.	Demonstrate inhalation/exhalation.	Breathing exercise.	Models, charts.	Mention two organs of respiration.
5	Reproductive System	Explain male & female systems.	Use charts.	Label diagrams.	Charts, models.	Mention one male and one female organ.
6	Plant Nutrition	Explain photosynthesis.	Demonstrate with experiment.	Perform starch test.	Iodine, leaves.	Define photosynthesis.
7	Ecology	Explain components of environment.	Discuss food chains & webs.	Draw food chains.	Charts, pictures.	State one food chain.
8	Pollution	Identify air, water, soil, noise pollution.	Discuss causes/effects.	Suggest solutions.	Pictures, charts.	Mention two types of pollution.
9	Revision	Review topics.	Summarize.	Revise in groups.	Notes, charts.	Answer review questions.
10	Examination	Assess understanding.	Conduct exam.	Write exam.	Exam materials.	Test results.

JSS 2 – THIRD TERM

Week	Topic	Objectives	Teacher's Activities	Students' Activities	Teaching Aids	Evaluation
1	Revision of Second Term Work	Recall lessons.	Review topics.	Answer questions.	Notes.	Oral/written test.
2	Force and Motion	Define force, motion, friction, gravity.	Demonstrate using objects.	Perform simple experiments.	Balls, charts.	Define force.
3	Work, Energy and Power	Explain work = force $\times$ distance.	Demonstrate lifting objects.	Perform calculations.	Charts, weights.	Calculate simple work done.
4	Heat Energy	Explain conduction, convection, radiation.	Perform heat transfer experiments.	Observe results.	Metals, water, candle.	Mention two methods of heat transfer.
5	Light Energy	Explain reflection, refraction.	Demonstrate with mirrors.	Draw ray diagrams.	Torch, mirrors, prisms.	Define refraction.
6	Sound Energy	Explain production and transmission.	Demonstrate vibrations.	Use tuning forks, drums.	Tuning fork, strings.	State two properties of sound.
7	Magnetism	Explain properties of magnets.	Demonstrate attraction/repulsion.	Test magnetic objects.	Magnets, pins.	Mention two uses of magnets.
8	Electricity	Explain current, voltage, resistance.	Demonstrate simple circuit.	Build circuits.	Wires, battery, bulb.	Draw simple circuit diagram.
9	Revision	Review lessons.	Summarize.	Revise in groups.	Notes, charts.	Answer review questions.
10	Examination	Assess understanding.	Conduct exam.	Write exam.	Exam materials.	Test results.

JSS 3 – FIRST TERM

Week	Topic	Objectives	Teacher's Activities	Students' Activities	Teaching Aids	Evaluation
1	Revision of JSS 2 Work	Recall major topics.	Review lessons.	Answer questions.	Notes.	Oral/written test.
2	Atoms, Elements and Compounds	Define and differentiate.	Give examples.	Classify substances.	Periodic table, models.	State difference between element & compound.
3	Chemical Symbols and Equations	Write symbols of elements.	Demonstrate balancing equations.	Practice balancing.	Periodic table.	Write symbol of sodium.
4	Acids, Bases and Salts	Explain properties.	Perform simple tests.	Test substances with litmus.	Litmus paper, samples.	Mention two acids.
5	Air and Its Composition	Explain gases in air.	Demonstrate oxygen test.	Group discussion.	Charts, gas jars.	State two components of air.
6	Water	Explain importance & purification.	Demonstrate boiling, filtration.	Practice purification.	Filter paper, beaker.	List two methods of purification.
7	Rocks and Minerals	Classify rocks.	Show samples.	Observe and identify.	Rock specimens.	Mention two types of rocks.
8	Weather and Climate	Explain elements of weather.	Demonstrate measurement.	Use weather instruments.	Rain gauge, thermometer.	Define weather.
9	Revision	Review all topics.	Summarize.	Revise in groups.	Notes, charts.	Answer review questions.
10	Examination	Assess understanding.	Conduct exam.	Write exam.	Exam papers.	Test results.

JSS 3 – SECOND TERM

Week	Topic	Objectives	Teacher's Activities	Students' Activities	Teaching Aids	Evaluation
1	Revision of First Term Work	Recall lessons.	Review topics.	Answer questions.	Notes.	Oral/written test.
2	Solar System	Explain planets, sun, moon.	Show diagrams.	Observe sky maps.	Charts, models.	List four planets.
3	Earth and Its Structure	Explain crust, mantle, core.	Draw diagrams.	Label Earth structure.	Globe, charts.	Name layers of Earth.
4	Natural Resources	Explain renewable & non-renewable.	Show examples.	Classify resources.	Samples, charts.	Mention two natural resources.
5	Conservation of Resources	Explain importance of conservation.	Discuss methods.	Suggest strategies.	Posters, reports.	Define conservation.
6	Renewable Energy	Explain solar, wind, hydro.	Show models/videos.	Group research.	Solar kits, charts.	State two renewable energies.
7	Non-renewable Energy	Explain coal, petroleum, natural gas.	Show samples.	Group work.	Pictures, models.	Mention two non-renewables.
8	Pollution and Control	Explain environmental pollution.	Demonstrate effects.	Suggest solutions.	Reports, charts.	List two pollution control methods.
9	Revision	Review all topics.	Summarize.	Revise in groups.	Notes, charts.	Answer review questions.
10	Examination	Assess understanding.	Conduct exam.	Write exam.	Exam papers.	Test results.

JSS 3 – THIRD TERM

Week	Topic	Objectives	Teacher's Activities	Students' Activities	Teaching Aids	Evaluation
1	Revision of Second Term Work	Recall past lessons.	Review with questions.	Answer questions.	Notes.	Oral/written test.
2	Biotechnology	Define and explain importance.	Discuss agriculture & health uses.	Group discussion.	Charts, videos.	State one use of biotechnology.

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3	Genetic Inheritance	Explain genes, traits, heredity.	Demonstrate with examples.	Observe family traits.	Charts, models.	Mention two inherited traits.
4	Evolution	Explain theories of evolution.	Discuss Darwin's theory.	Group discussion.	Pictures, charts.	State Darwin's theory.
5	Space Science	Explain satellites, space travel.	Show videos.	Research space science.	NASA clips, charts.	Mention two uses of satellites.
6	Science and Technology in Nigeria	Explain contributions to development.	Discuss examples.	Group research.	Reports, charts.	Mention two Nigerian scientists.
7	Science, Technology and Society	Explain impact of science on life.	Give examples.	Debate benefits/problems.	Reports, posters.	State two benefits of science.
8	Revision of JSS 2–3 Work	Review major topics.	Guide general revision.	Group discussions.	Notes, charts.	Answer review questions.
9	Preparation for BECE	Give exam techniques and study tips.	Guide students.	Ask questions.	Past questions.	Solve past BECE questions.
10	Examination	Assess overall learning.	Conduct exam.	Write exam.	Exam papers.	Test results.