



BASIC SCIENCE SCHEME J.S.1

S/N	TOPIC	CONTENT
1	Learning about science.	Definition, types, method of learning science, what is basic science? Importance of basic science in secondary school and basic science subject.
2	You, as a living thing	Definition, characteristics of living things, classification of living things, characteristics of plants and animals, plant and animal cell, similarities between plant and animal cells, difference between plant cell and animal cell.
3	Human beings as higher animals.	General characteristics of man, primate, human intelligence, part of the human body, and the system of the body.
4	Nutrition(feeding)	Definition, mode of nutrition(in herbivores, carnivores, omnivores and scavengers), grouping food(carbohydrate, protein, fat and oils, vitamins, mineral salt, water and roughage), vitamins and their sources, importance and deficiencies, dentition(dental formula, structure of a tooth, tooth decay, and care of the human tooth)
5	Health of the family.	Cleanliness(hygiene), features of a clean and healthy environment, harms of not observing the rules of cleanliness, improving personal cleanliness, care of the house, care of the surrounding of the house, ways of maintaining good health, some effects of body exercise and rest, risk of exercise, impurities in water from different sources, water treatment, purification of water, health hazards of drinking dirty water, advantages of pipe-bore water, causes of air pollution in the home, prevention of air pollution in the home, dirty environment around the home, effects of dirty environment around the home, prevention against dirty environment, noise pollution in the home, causes of noise pollution in the home, the effect of noise pollution and environment.
6	Environmental sanitation	Refuse, effects of refuse, disposal of refuse in towns, sewage, compost.
7	Disease vector	Life history of anopheles mosquito, adult mosquito control, reduction of contact with vectors(mosquitoes), economic importance of mosquito, tsetse fly(life history), black fly(life history), house fly(life history).
8	Immunization	Types of immunity, inoculation or vaccination.
9	Prevention of STDs, HIV/AIDS	Acquired Immunodeficiency Disease Syndrome, syphilis
10	Drug and drug	Drug and drug abuse, drug addiction (dependency), commonly abused

	abuse	drugs, smoking of tobacco, coffee, tea and kola nut, prevention of drug abuse, dangers of sharing injection, needles, and razor blades.
11	Matter	Components of matter, states of matter, characteristics of the different states of matter, comparison of solid, liquid, and gaseous state, change of state of matter, particulate theory of matter, difference between boiling and evaporation.
12	Water solution	Sources of water, physical properties of pure water, uses of water, causes of hardness of pure water, types of hard water, permanent hard water, temporary hardness, advantages and disadvantages of hard water, solution, types of solution, suspension
13	Force	Definition, types, balanced and unbalanced forces, effects, friction, advantages and disadvantages of friction, types of friction, laws of friction, methods of reducing friction.
14	Man and space	Introduction, night and day, the seasons, the atmosphere, winds, the moon, shadows, eclipse, observing the moon, the stars, the sun, the solar system, asteroids, comets, and meteors, space shuttle, summary exercise, gravitational pull and gravity, weight and weightlessness, space travel, the satellite.
15	Science related occupation.	Definition of occupation and science related occupation, occupation and related school subjects, duties and tools.