(1) The main objective is to enable children to observe their environment and to enrich their experience thereby developing skills in the process of science, such as observing, communicating, measuring, making a guess (hypothesising), experimenting to test the guess.

(2) Besides developing skills in some processes of science, the children, through environmental studies will gain knowledge of scientific facts, principles and have a better understanding of the phenomena taking place in the environment around them.

(3) This understanding of the environment through application of the scientific method (the processes of science) will help children to develop scientific attitude in life, which may comprise such components as rational outlook, openmindedness, a positive inclination for the democratic and secular outlook to situations in life, opposition to prejudices based on sex, caste, religion, language or region.

(4) Children will be helped to develop their creative faculties – their imagination and independent thinking for locating problems, suggesting solutions and trying out the ideas.

(CONTENTS)
CLASS-III

Unit-I
The Earth and the Sky


Unit-II
The Weather

Water, ice, water vapour, rain, cloud, hail, lightening, thunder, cyclone, fog, snow, underground water, irrigation, weather in our daily life, the thermometer.

Unit-III
Force, Work and Energy

Force is required for moving and stopping. The force exerted by muscle, electricity, magnet, tools, springs etc. The force exerted by the earth, comparison of forces. Movement on smooth and rough surfaces.
Unit-IV
Materials and their properties

States of matter, Materials and changes, Things dissolve in water.

Unit-V
Cleanliness


Unit-VI
Living Things

Things around us, Plants around us, Know your crops, Animals around us.

Unit-VII
The Human Body (Food and hygiene)

We eat different types of food, Proper food habits, Teeth and their care, The Digestive System, Clean and regular toilet habits.

CLASS-IV

Unit-I
The Earth and the Sky


Unit-II
Air, Water and Weather

Weather changes due to the Sun, Evaporation of water, Condensation of water vapour, changes in season affect plants, animals and man, sources of water, Pure and impure water, Purification of water.

Unit-III
Soil erosion and conservation

Weathering of rocks, Layers of soil, soil contains many things, soil erosion, conservation of soil.

Unit-IV
Force, Work and energy

Energy for work, No force without energy, water, wind and Heat energy, Electric and Magnetic energy.
Unit-V
Properties of Matter

Three states of matter, properties of substances, Properties of solutions, Crystallisation.

Unit-VI
Clothing

Clothes- Spinning and weaving of fibres, care of clothes.

Unit-VII
Living Things

Grasses as the source of food, plants and animals useful to man as sources of food, medicine, perfume etc. Different organs of plants, Dispersal of fruits and keeping plants and animals healthy.

Unit-VIII
Human Body

Coordination among different organs, Blood circulation, Respiration, Different constituents of food, Digestion of foods, Cooking, care and storage of foods, Harmful food habits.

CLASS-V

Unit-I
The Earth and the Sky

The moon as a natural satellite of the earth, phases of the moon, Artificial satellites, Features of the moon, Formation of shadows, Solar and Lunar eclipses.

Unit-II
Natural resources


Unit-III
Air, Water and Weather

Air exerts pressure, Air pressure can move liquids, Composition of air, Pollution of air, Smoke, dust, gases. Water, a good solvent, Dissolved impurities in water, Germs and diseases in water, Purification of water.

Unit-IV
Force, Work and Energy

Machines to do work, levers, Inclined Plane, wedge, Pulley, Screw, Simple and complex machines.
Unit-V
Matter and its Properties

Understanding the concept of volume, its measurement and units, measurement of weights of solids and liquids, understanding the concept of density, comparison of densities of different substances.

Unit-VI
Living Things

Plants and animals of different environments. Their adaptive features, characteristics of living things: growth, respiration, response to stimuli and reproduction. Differences between the plants and the animals in the above characteristics. Seed germination, favourable conditions, conditions for plant growth. Protection of crops—diseases and pests. Methods of protection.

Unit-VII
Human Body—Nutrition and Health

Bones and their functions, Muscles and their functions, parts of the nervous system, food for proper growth and health of children, invisible organisms and their useful and harmful roles. Communicable diseases and their prevention. What to do in an emergency?