

SYLLABUS of SCIENCE for ADMISSION to Grade: 6

Human body Systems: Organs to organs system, integration of different systems in carrying out life processes, Sense organs. Human respiratory system, Human circulatory system

Microorganisms and Diseases: Main groups of microorganisms, Diseases caused by microorganisms, Useful role of microorganisms, decomposers.

Ecosystem: Food chain, Predator-prey relationship, Food web, Energy transfer in a food chain, Human activities add toxic substances to an ecosystem, Causes and effects of pollution.

Physical and Chemical Changes of Matter

Light and Sound: Luminous and non-luminous objects, Transparent, opaque and translucent objects, Sound, Propagation of sound, Speed of sound in different materials, The human ear, Intensity of sound.

Electricity and Magnetism: Electric current, Electric circuit and its components, Magnets, Properties of magnet, Magnetic and non- magnetic materials, Magnetic compass.

Structure of the Earth

Soil: Soil, Characteristics of soil, Types of soil, Similarities and differences among different types of soil, Absorption of water by soil, Various causes of soil pollution.