

## **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.