

GRADE – 7

● UNIT 1 – LIVING SYSTEMS

- ✔ **Studying life** – measurements, thinking like a scientist, graphs
- ✔ **Living things** – is it alive?, what is living system, type of living things,
- ✔ **Interaction of living things** – variables in habitats, populations and communities

● UNIT 2 – CELL BIOLOGY

- ✔ **Chemistry and physical connections** – elements, compounds and reaction, carbon compounds and cells, light and living things
- ✔ **Cell structure and function** – what are cells, cell: a look inside, microscope
- ✔ **Cell processes** – the structure and function of cell and its organelle, cells and energy
- ✔ **The microscopic world** – protozoans, bacteria, viruses

● UNIT 3 – GENETICS

- ✔ **Reproduction** – growth and cell reproduction , sexual reproduction and meiosis
- ✔ **Heredity** – traits, predicting heredity, other patterns of inheritance
- ✔ **The code of life** – the role of DNA in heredity, DNA and technology

● UNIT 4 – EVOLUTION AND CHANGE

- ✔ **Evolution** – evidence for evolution, how evolution works, natural selection
- ✔ **Earth and life history** – evidence from rocks, how earth changes, life history

● UNIT 5 – EARTH SCIENCES

- ✔ **Matter and energy in earth system**
- ✔ **Surface features in the geosphere** ✔ **The hydrosphere**
- ✔ **The atmosphere around you** ✔ **Air masses**
- ✔ **Weather and floods**

● UNIT 6 –

- ✔ **Human body system** – circulatory , respiratory, skeletal, muscular, digestive , excretory, reproductive, integumentary, nervous, endocrine