

SCIENCE YEAR-VIII



Cell Biology & Genetics

- Understand cell structure and function in both plants and animals.
- Learn about the processes of reproduction in plants and animals.
- Explore heredity and genetic variation.

Human Body Systems and Health

- Learn about major human body systems and their functions.
- Understand the importance of nutrition, the immune system, and the impacts of adolescence.
- Explore ecosystem dynamics and human interactions.



Forces, Motion, and Energy

- Understand the concepts of force, pressure, and energy.
- Explore Newton's laws of motion and their applications.
- Study the principles of work, energy, and power.

Waves, Sound, and Light

- Understand the nature of waves and their properties.
- Explore the principles of sound and light, and their applications.
- Study the interaction of light with different materials.

Matter and It's Interactions

- Understand the basic structure of matter and the periodic table.
- Explore physical and chemical changes, and the properties of different materials.
- Study chemical bonding and reactions.



Carbon Compound s and Chemical Energetics

- Study the properties and reactions of carbon compounds.
- Explore the energy changes associated with chemical reactions.
- Understand the applications of chemical energetics in everyday life.