

## Grade 6 Science Curriculum

### Unit 1: Cells and Microorganisms

- Understand the basic structure and function of cells
- Differentiate between plant and animal cells
- Identify the role of microorganisms in the environment

### Unit 2: States of Matter

- Describe the three main states of matter: solid, liquid, and gas
- Explain how matter changes states through heating or cooling
- Investigate how particles behave in each state

### Unit 3: Photosynthesis

- Define photosynthesis and its importance to life on Earth
- Identify the raw materials and products of photosynthesis
- Explain the role of chlorophyll and sunlight in the process

### Unit 4: The Water Cycle

- Describe the steps in the water cycle: evaporation, condensation, precipitation, collection
- Understand how the water cycle supports life on Earth
- Conduct experiments to demonstrate parts of the cycle

### Unit 5: Ecosystems and Food Chains

- Define ecosystems and identify different types
- Understand food chains and food webs
- Explore the impact of environmental changes on ecosystems