

7th Grade SCIENCE



Scientific Inquiry

- Science and Inquiry
- Tools for Experiments
- Lab Safety
- Analyze and Display Data
- Modeling in Science

Living Things

- Cells
- Levels of Organization Plants/Animals
- Classification of Organisms

The Human Body

- Respiratory and Circulation Systems
- Digestive and Excretory Systems
- Skeletal and Muscular Systems
- Nervous and Endocrine Systems
- Reproductive System
- Immune System and Disease

Metabolism and Nutrition

- Genetics and Evolution
- Genes
- Heredity
- Mechanisms of Heredity
- Traits and Adaptations
- Sources of Variation
- Competition and Selection
- Geological Evidence

Reproduction

- Reproduction of Organisms
- Mitosis and Meiosis
- Development of Plants
- Development of Animals

Ecology

- Energy
- Flow of Energy
- Flow of Matter
- Populations and Communities
- Ecosystems and Environmental Change

The Solar System

- The Sun
- The Planets
- Earth and the Sun
- Earth and the Moon

The Earth

- Earth Rocks and Fossils
- Plate Tectonics
- The Atmosphere
- Climate and Weather
- Weathering and Erosion

Properties of Matter

- Atoms
- Physical Properties
- Gases, Liquids, and Solids
- Mixtures and Solutions
- Physical and Chemical Changes

Energy

- Mechanical Energy
- Heat Energy
- Light Energy
- Sound Energy
- Electrical Energy
- Transformation/Conservation of Energy

Forces and Motion

- Motion
- Gravity
- Electricity and Magnetism
- Friction
- Simple Machines