



Middle School: Science

Curriculum Overview

GRADE 6: PHYSICAL SCIENCE

Physical Science is a 6th grade course that provides students with the opportunity to learn that Physical Science is the scientific study of non-living organisms and energy.

Throughout this course, students will learn about the properties of matter, how materials and atoms interact, types of energy, waves, light, forces and motion.

TRIMESTER 1

- Scientific Method and Engineering Design Process
- Forces & Motion
- Energy

TRIMESTER 2

- Waves
- Classification of Matter
- Properties of Atoms
- Elements

TRIMESTER 3

- Chemical and Physical Reactions
- Solutions
- Acids and Bases

TEXTBOOKS & MATERIALS:

- Glencoe Science: Physical Science
- Big Fat Notebook: Science

GRADE 7: LIFE SCIENCE

Life Science is a 7th grade course that provides students with the opportunity to learn that Life Science is the study of living things. Life Science encompasses all of the fields of science that include the scientific study of living organisms, including plants, animals and humans.

TRIMESTER 1

- Scientific Method & Engineering Design Process
- Cells
- Chemistry of Life
- Genetics

TRIMESTER 2

- Bacteria, Protists & Fungi
- Plants
- Animals

TRIMESTER 3

- Systems of the Human Body
- Frog Dissection

TEXTBOOKS & MATERIALS:

- Glencoe Science: Life Science
- Big Fat Notebook: Science

GRADE 8: EARTH SCIENCE

Earth Science is an 8th grade course that provides students with the opportunity to explore the past, present and future of Earth. Earth science encompasses all of the fields of science that include the scientific study of Earth and space.

TRIMESTER 1

- Scientific Method & Engineering Design Process
- Building Blocks of Matter
- Rocks & Minerals
- Energy Resources

TRIMESTER 2

- Earth's Interior
- Earthquakes & Volcanoes
- Weathering & Erosion
- Earth's Atmosphere

TRIMESTER 3

- Weather
- Climate
- Solar System
- Careers in Engineering

TEXTBOOKS & MATERIALS:

- Glencoe Science: Earth Science
- Big Fat Notebook: Science