

Grade 1

Science-Technology/Engineering

Life Science

Characteristics of Organisms

Students will be able to:

- Describe elements necessary for growth and reproduction of living things.
- Classify types of plants/ trees according to their shared characteristics.

Life Cycles and Heredity

Students will be able to:

- Describe and sequence/predict the life cycle of a bird.
- Describe similarities and differences between plants and their seedlings.

Organisms and Their Environment.

Students will be able to:

- Describe how humans utilize their senses to interact with their environment.
- Describe the seasonal changes of plants.
- Describe the basic needs that are provided to animals by their habitat.
- Describe trees/woodlands as a habitat.

Earth/Space Science

Structure of the Earth System

Students will be able to:

- Compare/contrast sand, clay, gravel.
- Distinguish between rocks and minerals.
- Demonstrate that air takes up space.
- Demonstrate knowledge of seasonal weather changes.
- Distinguish between types of weather.
- Relate shadows to the earth's movement around the sun.
- Identify resources from the sun that support life.

Earth in the Solar System

Students will be able to:

- Identify cyclical patterns as they relate to seasons of the year.
- Compare and contrast seasonal events.

Physical Science

Chemistry - Properties of Matter

Students will be able to:

- Sort objects by combinations of two observable properties

Physics – Motion and Forces

Students will be able to:

- Explain the difference between push/pull (force).
- Explain the conditions under which objects can be balanced.

Technology/Engineering

Engineering Design Process

Students will be able to:

- Identify simple machines
- Identify incline planes
- Identify and explain common uses of the inclined plane.