

Science - 1st Grade

Content Overview:

Science in grades Kindergarten through 8th grade is focused on a central theme. Students in the K-2 grade band will be exploring the science theme *Observations of the Environment*. This theme focuses on helping students develop the skills for systematic discovery to understand the science of the physical world around them in greater depth by using scientific inquiry. First grade students will be studying Living/Non Living Things, Matter and The Sun as a Form of Energy. Students explore these topics through reading and discussing authentic literature and informational texts and during classroom activities.

Textbooks:

Variety of authentic literature and informational texts.

Assessments:

Observations, activities, and classwork.

Standards/Learning Goals

Ohio's Learning Standards in Science are composed of 3 strands: Earth and Space Science, Life Science, and Physical Science. The content statements listed below state what students should learn and understand in each discipline.

Life Science - Basic Needs of Living Things

- This topic focuses on the physical needs of living things in Ohio. Energy from the sun or food, nutrients, water, shelter and air are some of the physical needs of living things.
 - Living things have basic needs, which are met by obtaining materials from the physical environment
 - Living things survive only in environments that meet their needs

Physical Science - Motion and Materials

- This topic focuses on the changes in properties that occur in objects and materials. Changes of position of an object are a result of pushing or pulling.
 - Properties of objects and materials can change
 - Objects can be moved in a variety of ways, such as straight, zigzag, circular and back and forth

Earth and Space Science - Sun, Energy and Weather

- This topic focuses on the sun as a source of energy and energy changes that occur to land, air and water.
 - The sun is the principle source of energy
 - The physical properties of water can change