

**1st Grade Science**

**Driving Questions:**

* What are solids, liquids, and gases and how are they measured?
* How does water change between a solid, liquid, and a gas?
* What are fossils, how do they form, and what can they tell us about the history of the earth?
* How can fossils be observed and classified?
* What are the properties of air?
* What is wind and how can it be described?
* Why is the sun important for life on earth?

**Massachusetts Science and Technology Learning Standards**

**Science Learning Standards**

**Earth and Space Science**

Earth’s Materials

1. Understand that air is a mixture of gases that is all around us and that wind is moving air.

Weather

1. Describe the weather changes from day to day and over the seasons.

The Sun as a Source of Light and Heat

1. Recognize that the sun supplies heat and light to the earth and is necessary for life.

**Life Science**

Evolution and Biodiversity

1. Recognize that fossils provide us with information about living things that inhabited the earth years ago.

**Physical Science**

Observable Properties of Objects

1. Sort objects by observable properties such as size, shape, color, weight, and texture.

States of Matter

1. Identify objects and materials as solid, liquid, or gas. Recognize that solids have a definite shape and that liquids and gases take the shape of their container.

**Skills of Inquiry**

* Ask questions about objects, organisms, and events in the environment.
* Tell about *why* and *what would happen if?*
* Make predictions based on observed patterns.
* Name and use simple equipment and tools (e.g., rulers, meter sticks, thermometers, hand lenses, and balances) to gather data and extend the senses.
* Record observations and data with pictures, numbers, or written statements.
* Discuss observations with others.

**Technology/Engineering Learning Standards**

**Materials and Tools**

1.3 Identify and describe the safe and proper use of tools and materials (e.g., glue, scissors, tape, ruler, paper, toothpicks, straws, spools) to construct simple structures.