



NOSD Second Grade Science Standards

Physical Science:

- Describe and classify different kinds of materials by their observable properties
- Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose
- Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
- Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot

Life Science- Ecosystem: Interactions, Energy, and Dynamics:

- Conduct an investigation to determine if plants need sunlight and water to grow
- Understand the function of an animal in dispersing seeds or pollinating plants

Life Science- Biological Evolution: Unity and Diversity:

- Earth Science - Earth's Place in the Universe
- Make observations from media to construct an evidence-based account that Earth events can occur quickly or slowly

Earth Science- Earth's Systems:

- Compare multiple solutions designed to slow or prevent wind or water from changing the shape of the land
- Draw a representation of the shapes and kinds of land and bodies of water in an area
- Identify where water is found on Earth and that it can be solid or liquid

Earth Science- Engineering Design:

- Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool
- Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps its function as needed to solve a given problem
- Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs

