

New York State Science Learning Standards Meet the Planets

1st Grade

- **1-PS4-2.** Make observations (firsthand or from media) to construct an evidence-based account that objects can be seen only when illuminated.
- **1-PS4-3.** Plan and conduct an investigation to determine the effect of placing objects made of different materials in the path of a beam of light.
- **1-ESS1-1.** Use observations of the Sun, moon and stars to describe patterns that can be predicted.
- **K-2-ETS1-1.** Define a simple problem that can be solved through the development of a new or improved object or tool.

Cross-cutting concepts:

- **Patterns:** Patterns in the natural world can be observed, used to describe phenomena, and used as evidence. (1-LS1-1, 1-LS3-1, 1-ESS1-1, 1-ESS1-2)
- **Science assumes natural events happen today as they did in the past.** (1-ESS1-1)
- **Many events are repeated.** (1-ESS1-1)

2nd Grade

- **2-PS1-1.** Plan and conduct an investigation to describe and classify different materials by their observable properties.
- **2-PS1-4.** Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some can't.
- **2-ESS1-1.** Use information from several sources to provide information that Earth events can occur quickly or slowly.
- **2-ESS2-3.** Obtain information to identify where water is found on Earth and that it can be solid or liquid.
- **K-2-ETS1-1.** Define a simple problem that can be solved through the development of a new or improved object or tool.

Cross-cutting concepts:

- **Patterns:** Patterns in the natural and human-designed world can be observed. (2-PS1-1, 2-ESS2-2, 2-ESS2-3)

3rd Grade

- **3-ESS2-3.** Plan and conduct an investigation to determine connections between weather and water processes in Earth systems.

Cross-cutting concepts:

- **Patterns:** Patterns of change can be used to make predictions. (3-PS2-3, 3-LS1-1, 3-ESS2-1, 3-ESS2-2)
- **Scale, Proportion, and Quantity:** Observable phenomena exist from very short to very long time periods. (3-LS4-1)
- **Systems and System Models:** A system can be described in terms of its components and their interactions. (3-LS4-4)