

Grade 1

Adopted 2018

Physical Sciences

1. Plan and carry out investigations demonstrating the effect of placing objects made with different materials in the path of a beam of light and predict how objects with similar properties will affect the beam of light. [1.P2U1.1](#)
2. Use models to provide evidence that vibrating matter creates sound and sound can make matter vibrate. [1.P2U1.2](#)
3. Plan and carry out investigations which demonstrate how equal forces can balance objects and how unequal forces can push, pull, or twist objects, making them change their speed, direction, or shape. [1.P3U1.3](#)
4. Design and evaluate ways to increase or reduce heat from friction between two objects. [1.P4U2.4](#)

Earth and Space Sciences

5. Obtain, evaluate, and communicate information about the properties of Earth materials and investigate how humans use natural resources in everyday life. [1.E1U1.5](#)

Life Sciences

6. Observe, describe, and predict life cycles of animals and plants. [1.L1U1.6](#)
7. Develop and use models about how living things use resources to grow and survive; design and evaluate habitats for organisms using earth materials. [1.L2U2.7](#)
8. Construct an explanation describing how organisms obtain resources from the environment including materials that are used again by other organisms. [1.L2U1.8](#)
9. Obtain, evaluate, and communicate information to support an evidence-based explanation that plants and animals produce offspring of the same kind, but offspring are generally not identical to each other or their parents. [1.L3U1.9](#)
10. Develop a model to describe how animals and plants are classified into groups and subgroups according to their similarities. [1.L4U1.10](#)
11. Ask questions and explain how factors can cause species to go extinct. [1.L4U3.11](#)