

# Grade 2

Adopted 2018

## Physical Sciences

1. Plan and carry out an investigation to determine that matter has mass, takes up space, and is recognized by its observable properties; use the collected evidence to develop and support an explanation. [2.P1U1.1](#)
2. Plan and carry out investigations to gather evidence to support an explanation on how heating or cooling can cause a phase change in matter. [2.P1U1.2](#)
3. Obtain, evaluate and communicate information about ways heat energy can cause change in objects or materials. [2.P4U1.3](#)

## Earth and Space Sciences

4. Observe and investigate how wind and water change the shape of the land resulting in a variety of landforms. [2.E1U1.4](#)
5. Develop and use models to represent that water can exist in different states and is found in oceans, glaciers, lakes, rivers, ponds, and the atmosphere. [2.E1U1.5](#)
6. Analyze patterns in weather conditions of various regions of the world and design, test, and refine solutions to protect humans from severe weather conditions. [2.E1U2.6](#)
7. Construct an argument from evidence regarding positive and negative changes in water and land systems that impact humans and the environment. [2.E1U3.7](#)
8. Observe and explain the Sun's position at different times during a twenty-four-hour period and changes in the apparent shape of the Moon from one night to another. [2.E2U1.8](#)

## Life Sciences

9. Obtain, analyze, and communicate evidence that organisms need a source of energy, air, water, and certain temperature conditions to survive. [2.L2U1.9](#)
10. Develop a model representing how life on Earth depends on energy from the Sun and energy from other organisms. [2.L2U1.10](#)