

# Grade 1

Adopted 2020

## Waves and Their Applications in Technologies for Information Transfer

1. Plan and conduct investigations to provide evidence that vibrating materials can make sound and that sound can make materials vibrate. [1.PS4.1](#)
2. Make observations to construct an evidence-based account that objects can be seen only when illuminated. [1.PS4.2](#)
3. Plan and conduct an investigation to determine the effect of placing objects made with different materials in the path of a beam of light. [1.PS4.3](#)
4. Use tools and materials to design and build a device that uses light or sound to solve the problem of communicating over a distance. [1.PS4.4](#)

## From Molecules to Organisms: Structure and Function

1. Use materials to design a solution to a human problem by mimicking how plants and/or animals use their external parts to help them survive, grow, and meet their needs. [1.LS1.1](#)
2. Obtain information from media and/or text to determine patterns in the behavior of parents and offspring that help offspring survive. [1.LS1.2](#)

## Heredity: Inheritance and Variation of Traits

1. Make observations to construct an evidence-based account that young plants and animals are like, but not exactly like, their parents. [1.LS3.1](#)

## Earth's Place in the Universe

1. Use observations of the sun, moon, and stars to describe patterns that can be predicted. [1.ESS1.1](#)
2. Make observations at different times of year to relate the amount of daylight and relative temperature to the time of year. [1.ESS1.2](#)

## Earth and Human Activity

1. Communicate solutions that will reduce the impact of humans on the land, water, air, and/or other living things in the local environment. [1.ESS3.1](#)