Alabama Science

Grade 1

Waves and Their Applications in Technologies for Information Transfer

Wave Properties

Cause and Effect

1 Carry out investigations to provide evidence that the vibrations of matter can make sound and sound can make matter vibrate. 1.1

2 Use evidence from observations to explain that light is necessary in order for an object to be seen. 1.2

3 Plan and carry out investigations to determine how light is affected when it interacts with various types of materials. 1.3

4 Design and construct a device that uses light or sound waves to send a communication signal over a distance. 1.4

From Molecules to Organisms: Structures and Processes

External Structures

Structure and Function

5 Use information from observations to explain how various external features help living things survive, grow, and meet their needs. 1.5

Growth and Development

Patterns

6 Obtain information from text and other media to provide evidence that parents and their offspring engage in patterns of behavior that help the offspring survive. 1.6

Heredity: Inheritance and Variation of Traits

Inherited Traits and Environmental Impact

Patterns

7 Make observations to identify the similarities and differences between offspring and their parents. 1.7

Earth's Place in the Universe

Sun, Moon, and Stars

Patterns

8 Observe, describe, and predict patterns of the sun, moon, and stars as they appear in the sky. 1.8

Skip to main content

9 Use observations of seasonal sunrise and sunset patterns to describe the relationship between the number of hours of daylight and the time of year. 1.9