

# Grade 1

Adopted 2021

## Waves and their Applications in Technologies for Information Transfer

**1-PS4-1.** Plan and conduct investigations to provide evidence that vibrating materials can make sound and that sound can make materials vibrate. [1-PS4-1](#)

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**1-PS4-2.** Make observations to support an evidence-based claim that objects in darkness can be seen only when illuminated by light sources. [1-PS4-2](#)

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**1-PS4-3.** 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](#)

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**1-PS4-4.** Use tools and materials to design and build a device that uses light or sound to communicate over a distance. [1-PS4-4](#)

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## From Molecules to Organisms: Structures and Processes

**1-LS1-1.** 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](#)

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**1-LS1-2.** Obtain information from multiple sources to determine patterns in parent and offspring behavior that help offspring survive. [1-LS1-2](#)

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## Heredity: Inheritance and Variation of Traits

**1-LS3-1.** Make observations to support an evidence-based claim that most young are like, but not exactly like, their parents. [1-LS3-1](#)

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## Earth's Place in the Universe

**1-ESS1-1.** Use observations of the sun, moon, and stars to describe patterns that can be predicted. [1-ESS1-1](#)

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**1-ESS1-2.** Make observations at different times of year to relate the amount of daylight to the time of year. [1-ESS1-2](#)