

Science: Grade 1

WAVES AND THEIR APPLICATIONS

1a Through collaborative investigations, recognize that sounds can cause materials to vibrate. [LC-1-PS4-1A](#)

1b Through collaborative investigations, recognize that vibrating materials can make sound. [LC-1-PS4-1B](#)

1c Use evidence to describe that vibrating materials can make sound. [LC-1-PS4-1C](#)

1d Use evidence to describe that sound can make matter vibrate. [LC-1-PS4-1D](#)

2a Through observations, recognize that objects can be seen only when illuminated by an external light source or when they give off their own light. [LC-1-PS4-2A](#)

3a Through collaborative investigations, recognize that some materials allow light to pass through them. [LC-1-PS4-3A](#)

3b Through collaborative investigations, recognize that some materials allow only some light to pass through them. [LC-1-PS4-3B](#)

3c Through collaborative investigations, recognize that some materials block all the light. [LC-1-PS4-3C](#)

4a When using tools and materials to design and build a device, identify features of devices that people use to send and receive information over long distances. [LC-1-PS4-4A](#)

FROM MOLECULES TO ORGANISMS: STRUCTURES AND PROCESSES

1a Identify how animals use their external parts to help them survive, grow, and meet their needs. [LC-1-LS1-1A](#)

1b Identify how plants use their external parts to help them survive, grow, and meet their needs. [LC-1-LS1-1B](#)

1c Identify a design solution to a human problem which is similar to how a plant or animal uses its external parts to help it survive, grow, and meet its needs. [LC-1-LS1-1C](#)

2a Use texts or media to identify behaviors of offspring that help them survive. [LC-1-LS1-2A](#)

2b Use texts or media to identify behaviors between parents and offspring that help the offspring survive. [LC-1-LS1-2B](#)

2c Use texts or media to identify patterns in behavior between parents and offspring that help the offspring survive. [LC-1-LS1-2C](#)

**HEREDITY: INHERITANCE
AND VARIATION OF
TRAITS**

1a Make observations to identify a similarity or a difference in an external feature (e.g., shape of ears) between young animals and their parents. [LC-1-LS3-1A](#)

1b Make observations to identify a similarity or a difference in an external feature (e.g., shape of leaves) between young plants and their parents. [LC-1-LS3-1B](#)

**EARTH'S PLACE IN THE
UNIVERSE**

1a Use observations to describe patterns of movement of the sun, moon, and stars as seen from Earth. [LC-1-ESS1-1A](#)

1b Use observations of patterns of movement to predict appearances of the sun or moon. [LC-1-ESS1-1B](#)

2a Use observations to make relative comparisons between the amount of daylight in the winter to the amount of daylight in the spring or fall. [LC-1-ESS1-2A](#)