



Next Generation Science Standards

1st Grade

Overarching Themes

Waves and Their Applications in Technologies for Information Transfer (1-PS4)

- a. Vibrations can make sound. (1-PS4-1)
- b. Light helps us see things – some things hide in the dark. (1-PS4-2)
- c. Some things don't like being in the light (e.g. things living under a rock)
- d. How do birds communicate over a far distance? Can we do that?
(1-PS4-4)

From Molecules to Organisms: Structures and Processes (1-LS1)

- a. How do plants and animals protect themselves? (1-LS1-1)
- b. How do animals perceive their world? (1-LS1-1)
- c. What are the different parts of a plant? (1-LS1-1)
- d. How do parents help their offspring survive? (1-LS1-2)
- e. The shape of animals and plants is a function or reflection of where they live. (1-LS1-1)

Heredity: Inheritance and Variation of Traits (1-LS3)

- a. Young plants and animals resemble but aren't identical to their parents.
(1-LS3-1)
- b. Related organisms look alike but aren't identical. (1-LS3-1)
- c. Organisms with the same characteristics may be the same species.
(1-LS3-1)

Earth's Place in the Universe (1-ESS1)

- a. The sun rises in the east and sets in the west. (N, S, E, W) (1-ESS1-1)
- b. There is the most amount of daylight in the summer and the least amount of daylight in the winter – does this affect our weather?
(1-ESS1-2)