

West Northfield School District #31 Science Curriculum

Grade One

Physical, Life, and Earth Space Sciences

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

1. [1-PS4-1](#) Plan and conduct an investigation to provide evidence that vibrating materials can make sound and that sound can make materials vibrate.
2. [1-PS4-2](#) Make observations to construct an evidence-based account that objects can be seen only when illustrated.
3. [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.
4. [1-PS4-4](#) 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-LS1 From Molecules to Organisms: Structures and Processes

5. [L-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.
6. [L-LS1-2](#) Read texts and use media to determine patterns in behavior of parents and offspring that help offspring survive.

1-LS3 Heredity: Inheritance and Variation of Traits

7. [1-LS3-1](#) Make observations to construct an evidence-based account that young plants and animals are like, but not exactly like, their parents.

1-ESS1 Earth's Place in the Universe

8. [1-ESS1-1](#) Use observations of the sun, moon, and stars to describe patterns that can be predicted.
9. [1-ESS1-2](#) Make observations at different times of the year to relate the amount of daylight to the time of the year.