

Grade 1

Waves: Light and Sound SC.1.2

- 1 Gather, analyze, and communicate evidence of light and sound waves.** SC.1.2.1
 - a Plan and conduct investigations to provide evidence that vibrating materials can make sound and that sound can make materials vibrate. SC.1.2.1.A
 - b Make observations to construct an evidence-based explanation that objects can be seen only when illuminated. SC.1.2.1.B
 - c Plan and conduct an investigation to determine the effect of placing objects made with different materials in the path of a beam of light. SC.1.2.1.C
 - d Use tools and materials to design and build a device that uses light or sound to solve the problem of communicating over a distance. SC.1.2.1.D
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Structure, Function, and Information Processing SC.1.6

- 2 Gather, analyze, and communicate evidence to show the relationship between structure and function in living things.** SC.1.6.2
 - a 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. SC.1.6.2.A
 - b Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem. SC.1.6.2.B
 - c Read grade appropriate texts and use media to determine patterns in a behavior of parents and offspring that help offspring survive. SC.1.6.2.C
 - d Make observations to construct an evidence-based account that young plants and animals are like, but not exactly like, their parents. SC.1.6.2.D
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Space Systems: Patterns and Cycles SC.1.11

- 3 Gather, analyze, and communicate evidence of patterns and cycles of space systems.** SC.1.11.3
 - a Use observations of the sun, moon, and stars to describe patterns that can be predicted. SC.1.11.3.A
 - b Make observations at different times of the year to relate the amount of daylight to the time of year. SC.1.11.3.B