

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**