

# Grade 1

Adopted 2022

## Physical Science DOMAIN

### Waves: Light and Sound

1. Plan and conduct investigations to provide evidence that vibrating materials can make sound and that sound can make materials vibrate. [S.1.1](#)
  2. Make observations to construct an evidence-based account that objects can be seen only when illuminated. [S.1.2](#)
  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. [S.1.3](#)
  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. [S.1.4](#)
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## Life Science DOMAIN

### Structure, Function, and Information Processing

5. Read texts and use media to determine patterns in behavior of parents and offspring that help offspring survive. [S.1.5](#)
  6. Make observations to construct an evidence-based account that young plants and animals are like, but not exactly like, their parents. [S.1.6](#)
  7. 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. [S.1.7](#)
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## Earth and Space Science DOMAIN

### Space Systems: Patterns and Cycles

8. Use observations of the sun, moon, and stars to describe patterns that can be predicted. [S.1.8](#)
  9. Make observations at different times of year to relate the amount of daylight to the time of year. [S.1.9](#)
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### **Engineering Design**

0. Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool. EDS.1.0
1. 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. EDS.1.1
2. Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs. EDS.1.2