

# Science

## First Grade

### *Life Science Practices and Concepts*

- 1.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

### *Earth and Space Science Practices and Concepts*

- K.ESS1-1 Use observation of the sun, moon, and stars to describe patterns that can be predicted.

### *Physical Science Practices and Concepts*

- 1.PS4-1 Plan and conduct investigations to provide evidence that vibrating materials can make sound and that sound can make materials vibrate.
- 1.PS4-3 Plan and conduct investigations to determine the effect of placing objects made with different materials in the path of a beam of light.

### *Engineering and Application*

- K-2.ETS1-1 Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through a new object or tool.
- K-2.ETS1-2 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.
- K-2.ETS1-3 Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs.