Colorado Science

Grade 1

Adopted 2020

Physical Science PS1

1. **Sound can make matter vibrate and vibrating matter can make sound.** PS1.1.1
   a. Plan and conduct investigations to provide evidence that vibrating materials can make a sound and that sound can make materials vibrate. PS1.1.1.A
   b. Make observations to construct an evidence-based account that objects can be seen only when illuminated. PS1.1.1.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. PS1.1.1.C
   d. Use tools and materials to design and build a device that used light or sound to solve the problem of communicating over a distance. PS1.1.1.D

Life Science LS2

1. **All organisms have external parts that they use to perform daily functions.** LS2.1.1
   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. LS2.1.1.A
   b. Read texts and use media to determine patterns in behavior of parents and offspring that help offspring survive. LS2.1.1.B

2. **Young organisms are very much, but not exactly, like their parents, and also resemble other organisms of the same kind.** LS2.1.2
   a. Make observations to construct an evidence-based account that young plants and animals are like, but not exactly like, their parents. LS2.1.2.A

Earth and Space Science ESS3

1. **Patterns of movement of the sun, moon and stars as seen from Earth can be observed, described and predicted.** ESS3.1.1
   a. Use observations of the sun, moon, and stars to describe patterns that can be predicted. ESS3.1.1.A
   b. Make observations at different times of year to relate the amount of daylight to the time of year. ESS3.1.1.B