

Science, 5

I can explain that organisms are composed of parts that function together to form a living system (Structure and Function: Life Science)

I can describe the Sun-Earth-Moon system. (Structure and Function: Earth/Space Science)

I can describe how friction, gravity and magnetic forces affect objects on or near the Earth. (Interaction and Change: Physical Science)

I can explain the interdependence of plants, animals, and environment and how adaptation influences survival. (Interaction and Change: Life Science)

I can explain how energy from the sun affects Earth's weather and climate. (Interaction and Change: Earth/Space Science)

I can use observations and scientific principles to identify questions that can be tested, design an experiment or investigation and identify appropriate tools. I can then collect and record multiple observations while conducting investigations or experiments to test a scientific question or hypothesis. (Science Inquiry)

I can identify a problem patterns in data that support a reasonable explanation for the results of an investigation or experiment. I can communicate these findings using graphs, charts, maps, models and oral written reports. (Science Inquiry)

I can explain the reasons why similar investigations may have different results. (Science Inquiry)

I can identify a problem that can be addressed through engineering design using science principles. (Engineering Design)

I can design and build a prototype of a proposed engineering solution and identify factors such as cost, safety, appearance, environmental impact, and what will happen if the solution fails. (Engineering Design)

I can explain that inventions may lead to other inventions and once an invention exists, people may think of novel ways of using it. (Engineering Design)