



4th grade

Choose one activity* each week from each of the different domains of science. Each of the activities listed has a connection to a science standard. Completing an activity does not equate to mastering of the standard.

PS=Physical Science

ESS=Earth and Space Science

LS=Life Science

Physical Science	Earth and Space Science	Life Science
Write about why it might be harder to see at night or in a dark room compared to daylight or a bright room. 4-PS4-2	Consider your energy consumption today. What energy have you used today? What were your energy sources? 4-ESS3-1	Go outside and share what you experience with your 5-senses, using a graph of your choice. 4-LS1-2
Find two objects that move easily when pushed (balls, toys on wheels, etc). Place one in a stationary (still) position and gently roll or push the other toward it. What happens? Try rolling or pushing with different levels of speed (faster or slower). How does changing the speed change the outcome? 4-PS3-1 4-PS3-3	Make your own fossil imprint. Flatten out a ball of playdoh or use a piece of bread. Push a small object or toy into the playdoh/bread and remove it, leaving an imprint. Ask someone to guess what the object is. 4-ESS1-1	Imagine you are an animal and you come upon something that smells sweet to you. Write a story about how you use your prior experiences with sweet odors (your sense of smell) to determine what you might do with this new object. Include a picture of the animal's response. 4-LS1-2
What do you observe when you flip a light switch or the switch on a lamp? How is that the same or different to what happens when the stove or oven is used? 4-PS3-2	If you have access to maps, either digitally or in person, locate the major volcanoes of the world. What do you notice about their location? What do you wonder? 4-ESS2-2	Look at different plants growing outside. Draw one of them and label the various parts of the plant that help it grow and survive. 4-LS1-1
Watch the video How Does Morse Code Work? Create a system of sharing a message from one place to another. 4-PS4-3	Watch the video Crash Course Kids: Weathering and Erosion Design an experiment to show the weathering and erosion effects of water, ice, wind or vegetation. If you have the materials, conduct your experiment. 4-ESS2-1	Watch the video Dolphin Echolocation Explain to a friend or neighbor how dolphins use echolocation to survive. 4-LS1-1
Fill a bowl or rectangle pan halfway with water. Gently tap on the side of the container. What do you notice about the water? Draw a model to describe what you observe. What happens if you tap just a bit softer? Harder? Explain the difference if you allow the water to become still and then you drop one drop of water in the middle? 4-PS4-1	List five resources you use in one day. Underline the resources that cannot be replaced. Tell how you could use fewer of these resources. 4-ESS3-1	Watch two or more videos or live animal webcams from the Monterey Bay Aquarium. What internal and/or external structures do you notice plants and animals have that function to support survival, growth, behavior, and reproduction? 4-LS1-1

*All activities should be completed with permission/supervision of an adult.