



Elementary Fifth Grade Science At Home Resources

5th 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
With an adult, cook a meal and discuss how sometimes when you mix two substances together, something new forms. 5-PS1-4	Do some research. What constellations should be visible in our sky tonight? Draw pictures and label the key stars in the constellations. 5-ESS1-2	Draw a picture of an animal and the habitat in which it lives. Be sure to include all of the necessary parts to sustain life. 5-LS2-1
Add some sugar or salt to a glass of water and stir it up. Explain to an adult what evidence you have that the sugar/salt is still in the water, but just cannot be seen. Draw a model (picture) of what happens to the sugar/salt. 5-PS1-1	How is the hydrosphere interacting with Earth's other spheres? Draw a model to explain. 5-ESS2-1	Watch a video or live animal webcam from the Monterey Bay Aquarium. Consider the ecosystem in which the animal lives. What factors might upset the stability of that ecosystem? 5-LS2-2
Weigh the items in a recipe before you cook them and again after the dish is cooked. What do you notice? 5-PS1-2	Check a website or observe the moon. What phase is it currently in? Draw a diagram that shows the moon's last phase and its next phase. 5-ESS1-2	Design an experiment to show that plants cannot grow without air and water, but can grow without soil. If you have the materials, try your experiment out. 5-LS1-1
Watch this video Crash Course Kids: Down to Earth Write a paragraph supporting the argument that the gravitational force exerted by the Earth is directed down. 5-PS2-1	Watch this video NASA Show Me the Water Summarize the information from the video in a data table or graph. 5-ESS2-2	Watch this video Wolves in Yellowstone Write a paragraph supporting the claim that reintroducing wolves to Yellowstone was beneficial to the ecosystem. Can you write a paragraph supporting the opposite claim? 5-LS2-2
Pick three objects from around your house. Describe each one using as many of the properties (color, hardness, shape, texture, etc) as you can. Compare the three items using your chosen properties. 5-PS1-3	Keep a 7- day journal. Each day/night draw what you observe in the sky from the same window, porch, yard or spot. Write a paragraph explaining how your drawing changes over the week? 5-ESS1-1. 5-ESS1-2	Use materials of your choice (crayons, pencils, paint, clay) to create a picture of the view from your window. What do you see? What is happening? How can you tell? What details can you include in your artwork to describe what you see?. 5-LS2-1

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