



# Elementary Kindergarten Science At Home Resources

# Kindergarten

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
<p>Sit in a window where the sun is shining for a few minutes. Do you feel warmer? Put two different colors of paper in the window. Does one feel warmer than the other after a few minutes? How is this the same as when the sun shines on the ground or pavement outside? K-PS3-1</p>	<p>Observe the weather and draw what you see. K-ESS2-1</p>	<p>Describe the basic needs of food, clothing and shelter common to all people. K-LS1-1</p>
<p>Find a chair or toy that you can push. Gently push the chair/toy. What happens? What do you predict would happen if you pushed it a little harder? Can you pull it toward you? How does the effort to push compare to the effort to pull? K-PS2-1</p>	 <p>What evidence do you see that the plant has changed its environment to meet its need for space? K-ESS2-2</p>	<p>Think of an animal. Draw that animal and give it the items it needs to survive (shelter, food, etc.). K-LS1-1</p>
<p>How can you create a structure to reduce the heat that you feel from the sun? Do you have materials at home that you could use to build such a structure? K-PS3-2</p>	<p>Could a frog live in a habitat built for a cat? How would a cat live in a habitat built for a frog? What evidence do you have to support your claims? What are the needs that a frog has compared to the needs of a cat? K-ESS3-1</p>	<p>Watch a <a href="#">video or live animal webcam</a> from the Monterey Bay Aquarium. K-LS1-1</p>
<p>Find a small ball, marble, or other object that can roll. Gently roll it across the floor several times in the same path. How could you design something that could change the speed or direction of the marble on its path? K-PS2-2</p>	<p>Watch the local weather forecast. What did the weathercaster predict would happen tomorrow? Why do we watch the weathercast? How does that help us in our lives? What other questions do you have about weather forecasting? K-ESS3-2</p>	<p>Draw a picture or color <a href="#">this picture</a> to show what plants need to survive. K-LS1-1</p>
<p>Watch this video of a child swinging. What do you notice about the motion of the swing? K-PS2-1 <a href="#">Kids on Swing at Outdoor Park (Hanging Seat) Music Video Lullaby</a></p>	<p>Watch this video of a beaver making a dam. Can you think of other animals that change their environment to meet their needs? K-ESS2-2 <a href="#">How Beavers Build Dams   Leave it to Beavers   PBS</a></p>	<p>Draw and label a picture or color and match the pictures on <a href="#">this page</a> to the words to show what plants need to survive. K-LS1-1</p>

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