



Elementary First Grade Science At Home Resources



1st 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 |
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| Explore sounds made by everyday objects. Make a list of loud sounds and a list of quiet sounds. 1-PS4-1 | Call or skype a friend or relative in a different city or part of the country. Ask them what their temperature is now and what it was several days/weeks ago. 1-ESS1-1 | Think about a time you had a sticker or other plant seed stuck to your pants, shoes, shoelaces or socks. How does that help the plant to survive? Is there any man made problem that was solved by noticing how those seeds travel? 1-LS1-1 |
| With permission, go outside to look at your shadow. Then, go outside later in the day and see if you notice changes about the shadow you see. Tell a grown up how shadows are formed. 1-PS4-3 | Start a journal to record observations of the sun, moon, and stars. After several journal entries, look for patterns that you might notice. Save your journal to use several times in the year. 1-ESS1-1 | Design a turtle shell for yourself to mimic a turtle's shell that you bring your arms and legs and head into in case of danger. What materials do you have around the house that you might use? If you have them, can you build it? 1-LS1-1 |
| Watch this video Objects and Light from PBS Media. What evidence can you find to support the claim that objects need to be in light or reflect light to be seen? 1-PS4-2 | Put some water in a bowl. Add oil or other debris to the water. Design a way to remove the oil or debris from the water. Explain to someone else how your design works. 1-ESS3-1 | Watch a video or live animal webcam from the Monterey Bay Aquarium. Discuss any patterns in behavior you notice. 1-LS1-2 |
| Design a way to communicate with someone in another room by only using sound or light. Do you think you can communicate that way with someone in another house or apartment? 1-PS4-4 | Design a walk through a local park to make it better. Would you put in a trail? Pick up trash? What other ideas might lessen the impact of humans? 1-ESS3-1 | Watch a video or live animal webcam from the Monterey Bay Aquarium. Make observations about how young plants and animals are like, but not exactly like, their parents. 1-LS3-1 |
| Compare the sound your feet make walking outside to the sound they make inside the house. Write a sentence for each using describing words. 1-PS4-1 | Tell a grown up what you notice about the length of the day. Is the sun shining a longer or a shorter amount of time than 6 months ago? 1-ESS1-2 | Read, retell and/or watch The Very Hungry Caterpillar by Eric Carle . What is it about the caterpillar that allows it to move and eat like it does? Do adult butterflies have the same ability? 1-LS1-2; 1-LS3-1 |

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