

# Summer of Steam Activities

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On a sunny day, fill a black garbage bag full of air. Close the top and observe what happens when you leave it out in the sun. Observe what happens.	Make something that will keep your drink cold all day. Compare the temperature to someone else's drink to see how well you did.	Create a device that can move a toy 20 feet and then accurately drop the toy onto a target	Find a pinecone, observe what happens when you let it soak in a glass of water. Take it out, explain how it changed.	Go for a walk see if you can find things that look like letters of the alphabet. See if you can make the whole alphabet in nature.
Look up the types of birds that live in your area. Make a chart and record how many you see in a week.	Place an object on a piece of colored paper and leave it outside in the sun for a day. Remove the object. What happened to the paper?	Find a fruit or vegetable that you eat that has seeds. Take the seeds and place them into a cup of dirt with water. See if you can get it to grow.	Look up when the international space station is going to be visible from where you live. See if you can spot it that night!	Find out when it is going to rain in your area. Find and animal to observe. Do they change their behavior when it rains?
Find some burned wood (or charcoal) Mix with a little bit of butter. Using this mixture, paint simple drawings like the cavemen used to do.	Get a cotton swab and see if you can collect pollen from a flower. Mix pollen with different flowers to see what happens after a few days.	Find a small river or stream that is safe to go into. With rocks and sticks build a structure that can change the flow of water.	Come up with a way to water a plant for 8 days without turning on any water source	Design and create your own animal. Come up with what it eats, where it lives and how it protects itself from predators. Then, create a model of it.
At night listen for a cricket, count the number of chirps you hear in 15 seconds. Add 37 to that number. You should get the temperature in fahrenheit.	Find a star map for where you live. Compare it to what you see at night. Explain why you think there's a difference	Take a toy outside and create a hiding spot for it so that it blends in with its surroundings. Make a friend look for it and see how long it takes them to find it.	Using materials that you find outside. Can you make a shelter big enough that you and a friend can fit into?	At an outdoor space you go to all the time. Create a map of it, try to identify as many different types of plants and where they're located in that space.
Find different color wild flowers while outside. Gently pick apart the petals. Use the petals to create a work of art.	Get a cardboard box. Fill it with different types of wood and plans that you find. Observe what insects go to each type of material.	At night find a constellation in the sky.. Look at the constellation every night for a week at the same time. Does its position change?	Research an endangered animal. Create a public service announcement explaining what people can do to save that animal.	Paint one side of a leaf. While still wet press them in a piece of paper. See what designs you can make with leaf stamps.

