

May 2021

STEAM (science, technology, engineering, art, and math) activities for kids that you can do at home, school, or the library.



Sun	Mon	Tue	Wed	Thu	Fri	Sat
<p>Look for ways you can incorporate STEAM activities into your work and play at home. Take walks and talk about what you see, look for things to count, measure, and examine. Remember you are using science when you cook, technology when you use tools, and art is all around you! Follow the library on Facebook for more daily suggestions and check out our online resources as well as in-person materials and programs.</p>						<p>1 Trace or sketch shapes you see around you.</p>
<p>2 Catapults Read 3, 2, 1 Go! by Emily McCully</p>	<p>3 SCIENCE Pick several different things to throw, for example, a frisbee, a ball, a piece of cloth, and compare how far they go.</p>	<p>4 TECHNOLOGY Build a catapult. You can make a simple one out of popsicle sticks or a more complex one out of Lego.</p>	<p>5 ENGINEERING Make a base for your catapult—does it change how it works?</p>	<p>6 ART Paint and decorate your catapult</p>	<p>7 MATH Make a target to aim your catapult at. Measure how close you get.</p>	<p>8 Write or draw about what you learned this week.</p>
<p>9 Skyscraper Read Skyscraper by Jorey Hurley</p>	<p>10 SCIENCE Find five different materials used to build your house. Research how they are made. Examples might include boards, bricks, or pipes.</p>	<p>11 TECHNOLOGY Use a tool to build a tower. Can you use a toy crane to pick up bricks? A hammer and nails to build with wood?</p>	<p>12 ENGINEERING Build a tower with Legos. How high can you make it?</p>	<p>13 ART Draw a picture of a city</p>	<p>14 MATH What kind of math do construction workers use? Use math to plan a building.</p>	<p>15 Find the tallest building in your neighborhood</p>
<p>16 Bridges Read A book of bridges by Cheryl Keely</p>	<p>17 SCIENCE Build a bridge with cardboard and books. How much weight will it bear?</p>	<p>18 TECHNOLOGY Try making a different kind of bridge, this time using tools. For example, a bridge made from play-dough, mud, or clay.</p>	<p>19 ENGINEERING Build a bridge with arches. Try using Lego or clay.</p>	<p>20 ART Draw pictures of what helps you connect with friends and family</p>	<p>21 MATH Find an arch and measure the angle.</p>	<p>22 Walk across a bridge. Can you see how was it made?</p>
<p>23 Seeds Read Caterpillar and Bean by Martin Jenkins</p>	<p>24 SCIENCE Cook something with beans. Do you have to soak the beans first? Why or why not?</p>	<p>25 TECHNOLOGY Think of a tool people use to grow plants. Use it to plant some seeds.</p>	<p>26 ENGINEERING Make a structure for bean plants to climb on.</p>	<p>27 ART Make a bark rubbing. Lay paper against a tree and rub it with a crayon. Compare the different patterns.</p>	<p>28 MATH Plant 5 bean seeds. Do they grow at different rates? Do they all look the same? Make a graph.</p>	<p>29 Play in the dirt! When you're all clean, draw pictures of the things you saw and made.</p>

June 2021

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<p>May 30 Prisms Read Light waves by David Adler</p>	<p>May 31 SCIENCE Use a prism to look at different items (there are prisms in the Science Discovery Storytime Kit)</p>	<p>1 TECHNOLOGY Read a book with photographs. Take pictures outdoors and make your own book.</p>	<p>2 ENGINEERING Build your own light bulb https://tinyurl.com/y7a3x57j</p>	<p>3 ART Use chalk to draw around the shadows you make on your sidewalk</p>	<p>4 MATH Compare how fast light can travel to how fast you can run.</p>	<p>5 Write or draw about what you learned this week.</p>
<p>6 Rollercoaster Read How to code a rollercoaster by Josh Funk</p>	<p>7 SCIENCE Watch a movie or read about different roller coasters. Which ones look safer? Which are more dangerous?</p>	<p>8 TECHNOLOGY Pick a game you like to play and write a code for it.</p>	<p>9 ENGINEERING Build a marble run. You can borrow a kit from the library.</p>	<p>10 ART Draw a picture or write a story about a ride you'd like to go on.</p>	<p>11 MATH Change the angles of your marble run. Write down the changes and how it affects the marbles when you test it.</p>	<p>12 Write or draw about what you learned this week. Ride something with wheels.</p>
<p>13 Eggs Read Eggs 1, 2, 3 Who will the babies be? By Janet Halfmann</p>	<p>14 SCIENCE Open a cooked egg and a raw egg and compare them.</p>	<p>15 TECHNOLOGY Can you think of something that has an outer, protective shell? How is it similar or different from an egg?</p>	<p>16 ENGINEERING Do an egg drop Experiment</p>	<p>17 ART Make blown eggs and decorate them.</p>	<p>18 MATH Make a graph of how long the eggs of each animal in the book take to hatch.</p>	<p>19 Write or draw about what you learned this week. Go on a walk. Do you see anything that lays eggs?</p>
<p>20 Weather Read What's the weather by Shelley Rotner</p>	<p>21 SCIENCE Choose two plants in your yard. Make a different watering schedule for each. What happens?</p>	<p>22 TECHNOLOGY Make a rain gauge https://www.gardeningknowhow.com/special/children/how-to-make-a-rain-gauge.htm</p>	<p>23 ENGINEERING Play in the sand. Can you build something? What if you get the sand wet?</p>	<p>24 ART Draw pictures of the same scene in different weather</p>	<p>25 MATH Play with ice cubes. Put some in water, in the sun, in the refrigerator, in the shade. How long do they take to melt?</p>	<p>26 Write or draw about what you learned this week.</p>
<p>27 Water Read Raindrops roll by April Pulley Sayre</p>	<p>28 SCIENCE Play with bubbles. Try making them with different kinds of soap and see what happens.</p>	<p>29 TECHNOLOGY Go fishing; if you don't have water near you, try it with a magnet and string in the bathtub!</p>	<p>30 ENGINEERING How does a sprinkler work? Build your own sprinkler with a water bottle, hose, and something sharp.</p>	<p>Sign up for summer reading online or in-person and keep your mind busy all summer long! We have lots of outdoor and indoor programs with a STEAM theme and check out our collections of circulating kits and activity books.</p>		