

APRIL 2024 STEAM (science, technology, engineering, art, and math) activities you can do at home, school, or the library. For more ideas, visit <https://www.pinterest.com/elkhornlibrary/activity-calendars/>.

Sun	Mon	Tue	Wed	Thu	Fri	Sat
March 31 Bricks Read Billions of Bricks by Kurt Cyrus	1 SCIENCE Make your own bricks with mud, ice cubes, or other natural materials.	2 TECHNOLOGY What tools do you need to make bricks?	3 ENGINEERING Build a structure with your bricks. Does it stay up?	4 ART Make bricks out of clay or playdough. Let them dry and then try building something.	5 MATH Build a structure with blocks. How many blocks did you use?	6 Write or draw about what you learned this week. Draw a building and note what tools you would use to make it.
7 Comparisons Read Our world is relative by Julia Sooy	8 SCIENCE Set up an experiment that uses time, like waiting for water to freeze or forming salt crystals.	9 TECHNOLOGY Learn about tools we use to measure time and distance.	10 ENGINEERING Build your own sundial	11 ART Draw pictures of what other people are doing right now in different places on earth.	12 MATH Get a box of misc. things and compare them. Bigger vs. smaller, round vs. square.	13 Write or draw about what you learned this week. Practice using a clock to tell time.
14 Music Read The Oboe goes Boom Boom Boom by Colleen af Venable	15 SCIENCE Experiment things in your kitchen or classroom to see what sounds they make.	16 TECHNOLOGY Use items around your house or classroom to build at least two drums.	17 ENGINEERING Test the strength and compare the sounds of your drums.	18 ART Decorate your drums.	19 MATH Create a pattern to beat on your drums.	20 Write or draw about what you learned this week. What other instruments could you make or play?
21 Rocket Read A trapezoid is not a dinosaur by Sue Morris	22 SCIENCE Make an alka-seltzer rocket.	23 TECHNOLOGY Read Go for the moon by Chris Gall . What kind of technology is needed to make a rocket?	24 ENGINEERING Make your own rocket.	25 ART Cut out shapes and put them together to make a picture of a rocket.	26 MATH Count all the different shapes you can find in the books you read this week.	27 Write or draw about what you learned this week. Watch a rocket launch online.
28 Simple Machines Read Lift, Mix, Fling by Lola Schaefer	29 SCIENCE Find a simple machine in your home or school. How does it work?	30 TECHNOLOGY Build a catapult. You can make a simple one out of popsicle sticks or a more complex one out of Lego.	Celebrate National Library Week all month long by learning about STEAM at your library. Check out science kits, borrow books on science experiments, and incorporate STEM experiences into favorite stories like Eric Carle (learn about insects), Mo Willems (learn about science with Unlimited Squirrels), or Pete the Cat (counting and colors).			

MAY 2024 STEAM (science, technology, engineering, art, and math) activities you can do at home, school, or the library. For more ideas, visit <https://www.pinterest.com/elkhornlibrary/activity-calendars/>.

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<p>Did you know the family garden is open to the public? Bring a picnic, investigate what's growing, look for insects, pull some weeds, or play in the dirt! You will also be able to participate in garden adventures during storytimes and library field trips.</p>			<p>1 ENGINEERING</p> <p>Make a base for your catapult—does it change how it works?</p>	<p>2 ART</p> <p>Paint and decorate your catapult</p>	<p>3 MATH</p> <p>Make a target to aim your catapult at. Measure how close you get.</p>	<p>4 Write or draw about what you learned this week.</p> <p>Go for a walk and look for simple machines in action!</p>
<p>5 Skyscrapers</p> <p>Read Skyscraper by Jorey Hurley</p>	<p>6 SCIENCE</p> <p>Find five different materials used to build your home. Research how they are made.</p>	<p>7 TECHNOLOGY</p> <p>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>8 ENGINEERING</p> <p>Build a tower with Legos. How high can you make it?</p>	<p>9 ART</p> <p>Draw a picture of a city</p>	<p>10 MATH</p> <p>Count all the Legos in your tower.</p>	<p>11 Write or draw about what you learned this week.</p> <p>Find the tallest building in your neighborhood.</p>
<p>12 Bridges</p> <p>Read A book of bridges by Cheryl Keely</p>	<p>13 SCIENCE</p> <p>Build a bridge with cardboard and books. How much weight will it bear?</p>	<p>14 TECHNOLOGY</p> <p>Make a bridge using tools. For example, a bridge made from play-dough, mud, or clay.</p>	<p>15 ENGINEERING</p> <p>Build a bridge with arches. Try using Lego or clay.</p>	<p>16 ART</p> <p>Draw pictures of what helps you connect with friends and family</p>	<p>17 MATH</p> <p>Find an arch and measure the angle.</p>	<p>18 Write or draw about what you learned this week.</p> <p>Walk across a bridge. Can you see how was it made?</p>
<p>19 Kitchen experiments</p> <p>Read Amy Wu and the perfect bao by Kat Zhang</p>	<p>20 SCIENCE</p> <p>Pick a recipe to try. Make it twice and see if it comes out differently.</p>	<p>21 TECHNOLOGY</p> <p>Use two different tools to cook with in your kitchen like a spatula or whisk.</p>	<p>22 ENGINEERING</p> <p>Pick an appliance in your kitchen and learn how it works.</p>	<p>23 ART</p> <p>Practice sketching and then draw pictures of the food you made.</p>	<p>24 MATH</p> <p>Make a recipe but double or halve the ingredients.</p>	<p>25 Write or draw about what you learned this week.</p> <p>Make a recipe together and keep track of everything you do.</p>
<p>26 Prisms</p> <p>Read Light waves by David Adler</p>	<p>27 SCIENCE</p> <p>Use a prism to look at different items. You can check prisms out at the library.</p>	<p>28 TECHNOLOGY</p> <p>Read a book with photographs. Take pictures outdoors and make your own book.</p>	<p>29 ENGINEERING</p> <p>Read Patricia's Vision by Michelle Lord</p>	<p>30 ART</p> <p>Use chalk to draw around the shadows you make on the sidewalk.</p>	<p>31 MATH</p> <p>Compare how fast light can travel to how fast you can run.</p>	<p>Check out different libraries in our consortium. What STEM experiences will you find?</p>