

March 2021

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



Sun	Mon	Tue	Wed	Thu	Fri	Sat
Check out STEM books in the FUN/STEM picture book neighborhood.	1 SCIENCE Dissect an owl pellet	2 TECHNOLOGY Use soft material (feather, cloth, or stuffing) to build a paper airplane. Can you duplicate an owl's wings?	3 ENGINEERING Watch NATURE: Owl Power and learn how owls' wings are made for flight.	4 ART Draw pictures of different kinds of owls	5 MATH Make a graph of how many rodents an owl might eat in a night.	6 Write or draw about what you learned this week. Take a night walk and listen for owls.
7 Dogs Read Such a good boy by Marianna Coppo and Dog Science Unleashed	8 SCIENCE Pick an experiment from Dog Science Unleashed	9 TECHNOLOGY Draw an invention that helps dogs	10 ENGINEERING Draw a plan for building a dog house	11 ART Draw pictures of your favorite dogs	12 MATH Do you have a dog or want a dog? Do the math! Figure out how much food they would eat in a year.	13 Find out how you can help dogs at Lakeland Animal Shelter
14 Music Read Chicka Chicka Boom Boom by Bill Martin	15 SCIENCE Experiment with different things in your kitchen or classroom to see what sounds they make.	16 TECHNOLOGY Use items around your house or classroom to build instruments, including 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 Experiments Read Amy Wu and the perfect bao by Kat Zhang	22 SCIENCE Pick a recipe to try. Look in J 641 for cookbooks. Make it twice and see if it comes out differently.	23 TECHNOLOGY Use two different tools to cook with in your kitchen. They can be as simple as a spatula or whisk.	24 ENGINEERING Pick an appliance in your kitchen and learn how it works.	25 ART Practice sketching before you draw a picture	26 MATH Look at your recipe from Monday. Did you use the same amounts of each ingredient? Change them and make it again.	27 Write or draw about what you learned this week. Make a recipe together and keep track of everything you do.
28 Shapes Read Tangled by Anne Miranda	29 SCIENCE Visit a jungle gym at a park and explore the different shapes that you find.	30 TECHNOLOGY What shapes can you find in the tools you use every day, at home, school, and on the road?	31 ENGINEERING Build your own jungle gym out of popsicle sticks or with a building set.	Did you know you can use your Elkhorn library card at any library in Walworth, Racine, Kenosha, or Rock county? Every library has something unique to offer, from maker spaces to science kits, programs and new experiences!		

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<p>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 (Elephant and Piggie do lots of experiments), or Pete the Cat (counting and colors).</p>				<p>1 ART Draw all the shapes you know and make them different colors.</p>	<p>2 MATH Make tangrams out of cardboard and see what pictures you can make with them.</p>	<p>3 Write or draw about what you learned this week. Take a walk and look for shapes in nature and how they fit together.</p>
<p>4 Bricks Read Billions of Bricks by Kurt Cyrus</p>	<p>5 SCIENCE Make your own bricks with mud, ice cube trays, and other natural materials (straw, dry leaves and grass, etc.)</p>	<p>6 TECHNOLOGY What tools do you need to make bricks?</p>	<p>7 ENGINEERING Build a structure with your bricks. Does it stay up?</p>	<p>8 ART Make another set of bricks out of clay or playdough. Let them dry and then try building something.</p>	<p>9 MATH Build a structure with blocks. How many blocks did you use?</p>	<p>10 Write or draw about what you learned this week. Draw a building and note what tools you would use to make it.</p>
<p>11 Comparisons Read Our world is relative by Julia Sooy</p>	<p>12 SCIENCE Set up an experiment that uses time, like waiting for water to freeze or forming salt crystals.</p>	<p>13 TECHNOLOGY Learn about tools we use to measure time and distance.</p>	<p>14 ENGINEERING Build your own sundial</p>	<p>15 ART Draw pictures of what other people are doing right now in different places on earth.</p>	<p>16 MATH Get a box of misc. things and compare them. Which thing is biggest? Which is smallest?</p>	<p>17 Write or draw about what you learned this week. Practice using a clock to tell time.</p>
<p>18 Construction Read Snakes on the job by Kathryn Dennis</p>	<p>19 SCIENCE Find a construction site and watch the workers. Are they using science to build something?</p>	<p>20 TECHNOLOGY Practice using tools like a shovel and rake in your backyard or at school.</p>	<p>21 ENGINEERING Build something out of Legos. Will it bear weight? How much?</p>	<p>22 ART Draw a picture of a construction site.</p>	<p>23 MATH How do construction workers use math? Can you use math to build something?</p>	<p>24 Write or draw about what you learned this week. Borrow building materials from the library like Lego or magnetiles.</p>
<p>25 Shapes Read A trapezoid is not a dinosaur by Sue Morris</p>	<p>26 SCIENCE Make a list of the ways you can recognize a shape and then find all the shapes you can.</p>	<p>27 TECHNOLOGY Read Go for the moon by Chris Gall. What kind of technology is needed to make a rocket?</p>	<p>28 ENGINEERING Make your own rocket https://spaceplace.nasa.gov/pop-rocket/en/</p>	<p>29 ART Cut out shapes and put them together to make a picture of a rocket.</p>	<p>30 MATH Count all the different shapes you can find in our stories.</p>	<p>Look for outdoor science books in the juvenile non-fiction, J 507.</p>