

# July 2024



**Matheson Memorial Library**  
 101 N. Wisconsin St. Elkhorn, WI 53121  
 262-723-2678 www.elkhorn.lib.wi.us

**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/>

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
<p><b>June 30 Theme of the week is: Bubbles</b></p> <p>Read <b>Super Simple Things to do with Bubbles</b> by Kelly Doudna</p>	<p><b>1 SCIENCE</b></p> <p>Try different kinds of soap and bubble solution to blow bubbles. Track your results.</p>	<p><b>2 TECHNOLOGY</b></p> <p>Experiment with giant bubble wands.</p>	<p><b>3 ENGINEERING</b></p> <p>Design a bubble-blowing machine!</p>	<p><b>4 ART</b></p> <p>Make art with bubbles.</p>	<p><b>5 MATH</b></p> <p>Make prints with bubbles - can you see the pattern?</p>	<p><b>6 Write or draw about what you learned this week.</b></p> <p>Go on a bubble-blowing walk. How do the bubbles react in different places?</p>
<p><b>7 Theme of the week is: Chemical Reactions</b></p> <p>Read <b>Every day, Chemistry</b> by Julia Sooy</p>	<p><b>8 SCIENCE</b></p> <p>Experiment with kitchen ingredients to create a chemical reaction.</p>	<p><b>9 TECHNOLOGY</b></p> <p>Use a kitchen tool, like an egg beater or stove, to make a chemical reaction.</p>	<p><b>10 ENGINEERING</b></p> <p>What kind of mixers are there? What happens when they mix different things?</p>	<p><b>11 ART</b></p> <p>Look for things in nature that you can make dyes, paint, or other art supplies with.</p>	<p><b>12 MATH</b></p> <p>Double or halve one ingredient in a recipe. How does the recipe change?</p>	<p><b>13 Write or draw about what you learned this week.</b></p> <p>Make potions outside.</p>
<p><b>14 Theme of the week is: Gravity</b></p> <p>Read <b>Gravity</b> by Jason Chin</p>	<p><b>15 SCIENCE</b></p> <p>Make a number of different weights using clay, dirt, rocks, or toys.</p>	<p><b>16 TECHNOLOGY</b></p> <p>Make your own (toy) parachutes for the weights and try dropping them from a step, wall, or ladder.</p>	<p><b>17 ENGINEERING</b></p> <p>Experiment with paper airplanes. Try adding your weights.</p>	<p><b>18 ART</b></p> <p>Do a walking water science experiment with paint.</p>	<p><b>19 MATH</b></p> <p>Compare your experiments from earlier this week and make a graph of your findings.</p>	<p><b>20 Write or draw about what you learned this week.</b></p> <p>Go on a walk and try balancing on different things you see.</p>
<p><b>21 Theme of the week is: Outer Space</b></p> <p>Read <b>If you had your birthday party on the moon</b> by Joyce Lapin</p>	<p><b>22 SCIENCE</b></p> <p>Make ice sculpture planets. Freeze plastic cups of ice, then trickle salt and warm water to melt them into shapes.</p>	<p><b>23 TECHNOLOGY</b></p> <p>Read <b>Just right: Searching for the Goldilocks Planet</b> by Curtis Manley. What technology do the scientists use?</p>	<p><b>24 ENGINEERING</b></p> <p>Use items from around your house to try to make the perfect planet.</p>	<p><b>25 ART</b></p> <p>Draw a diagram of a rocket</p>	<p><b>26 MATH</b></p> <p>Read <b>Let's Estimate</b> by David Adler. Can you estimate how many stars are in the sky?</p>	<p><b>27 Write or draw about what you learned this week.</b></p> <p>Go on a night walk and see if you can identify any constellations.</p>
<p><b>28 Theme of the week is: Human Body</b></p> <p>Read <b>Power Up</b> by Seth Fishman</p>	<p><b>29 SCIENCE</b></p> <p>Science of smell! Put items into jars and poke holes in the coverings. See if you can identify them by smell.</p>	<p><b>30 TECHNOLOGY</b></p> <p>Read <b>Optometrists and what they do</b> by Liesbet Slegers. What kinds of technology do we use to help our bodies?</p>	<p><b>31 ENGINEERING</b></p> <p>Read <b>I want an apple</b> by David Harrison. Can you build a system similar to the digestive system?</p>	<p>Remember that learning about science doesn't have to take a lot of time, be messy, or need special equipment! You can explore science in cooking, use technology with simple tools, build something with Lego to practice your engineering skills, and practice math skills by counting and measuring. Check out our list of STEAM kids, board games, and other hands-on activities that you can borrow from the library <a href="https://www.pinterest.com/elkhornlibrary/library-of-things-kits-toys-games-and-more/">https://www.pinterest.com/elkhornlibrary/library-of-things-kits-toys-games-and-more/</a></p>		

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SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
<p>Visit the library in August to incorporate STEAM into your summer fun! We will be offering kids the opportunity to explore and experiment in art, building, and more!</p>				<p><b>1 ART</b></p> <p>Trace yourself in chalk outside.</p>	<p><b>2 MATH</b></p> <p>Read <b>Count on me</b> by Miguel Tanco and think about how you use math every day.</p>	<p><b>3 Write or draw about what you learned this week.</b></p> <p>Go on a walk and think about all the ways you use your senses when you are outside.</p>
<p><b>4 Theme of the week is: Maps</b></p> <p>Read <b>Mapping Sam</b> by Joyce Hesselberth</p>	<p><b>5 SCIENCE</b></p> <p>Go on a nature walk. Take notebooks and stop to draw or write about what you see.</p>	<p><b>6 TECHNOLOGY</b></p> <p>Make your own compass.</p>	<p><b>7 ENGINEERING</b></p> <p>Use 3-D objects like blocks and Lego to build a map of your neighborhood.</p>	<p><b>8 ART</b></p> <p>Use your pictures from your nature walk to illustrate your own map.</p>	<p><b>9 MATH</b></p> <p>Read <b>Camilla Cartographer</b> by Julie Dillemath and talk about how math is used in making maps.</p>	<p><b>10 Write or draw about what you learned this week.</b></p> <p>Use your map to go on a walk again. Can you follow it to the same places?</p>
<p><b>11 Theme of the week is: Adaptations</b></p> <p>Read <b>Out of the blue</b> by Elizabeth Shreeve</p>	<p><b>12 SCIENCE</b></p> <p>Read <b>The Beak Book</b> by Robin Page</p>	<p><b>13 TECHNOLOGY</b></p> <p>Read <b>Orangutan hats and other tools animals use</b> by Richard Haynes</p>	<p><b>14 ENGINEERING</b></p> <p>What kind of adaptation would you make for people or animals?</p>	<p><b>15 ART</b></p> <p>Blend science and art with oil painting.</p>	<p><b>16 MATH</b></p> <p>Read <b>Clever Hans</b> by Kerri Kokias. Can you solve math problems the way Clever Hans did?</p>	<p><b>17 Write or draw about what you learned this week.</b></p> <p>Go on a walk. What adaptations do you see in your neighborhood?</p>
<p><b>18 Theme of the week is: Patterns</b></p> <p>Read <b>Pitter Pattern</b> by Joyce Hesselberth</p>	<p><b>19 SCIENCE</b></p> <p>Read <b>Growing Patterns</b> by Sarah Campbell</p>	<p><b>20 TECHNOLOGY</b></p> <p>Make your own abacus.</p>	<p><b>21 ENGINEERING</b></p> <p>Cut up cardboard to make your own tangrams. How many pictures can you make?</p>	<p><b>22 ART</b></p> <p>Make art prints. You can use vegetables, cardboard, or Styrofoam.</p>	<p><b>23 MATH</b></p> <p>Read <b>Bracelets for Bina's brothers</b> by Rajani LaRocca and make your own patterns.</p>	<p><b>24 Write or draw about what you learned this week.</b></p> <p>Go on a walk and look for patterns in nature.</p>
<p><b>25 Theme of the week is: Squirrels</b></p> <p>Read <b>Squirrels Leap, Squirrels Sleep</b> by April Pulley Sayre</p>	<p><b>26 SCIENCE</b></p> <p>Make paper gliders that mimic flying squirrels.</p>	<p><b>27 TECHNOLOGY</b></p> <p>Imagine a machine that moves like a squirrel. What kind of technology would it need?</p>	<p><b>28 ENGINEERING</b></p> <p>Read <b>Girl versus Squirrel</b> by Hayley Barrett</p>	<p><b>29 ART</b></p> <p>Draw pictures of squirrels.</p>	<p><b>30 MATH</b></p> <p>Spend ten minutes observing squirrels. How many do you see? What different sizes?</p>	<p><b>31 Write or draw about what you learned this week.</b></p> <p>Take a walk and see what else you can observe about squirrels.</p>