

December 2023

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



Sun	Mon	Tue	Wed	Thu	Fri	Sat
<p>If you are planning to spend time in the kitchen during the upcoming holidays, encourage your little ones to join you. Cooking is a great way to learn about chemical reactions and build math skills! Practice measuring, dividing, and multiplying ingredients, stirring and mixing, and manipulating dough.</p>					<p>1 MATH Read Growing patterns by Sarah Campbell</p>	<p>2 Write or draw about what you learned this week. Take a walk and see if you can find any patterns in nature</p>
<p>3 Theme of the week is: Balloons Read Can one balloon make an elephant fly? by Dan Richards</p>	<p>4 SCIENCE Try experiments from Super simple things to do with balloons by Kelly Doudna</p>	<p>5 TECHNOLOGY Experiment with static electricity and balloons.</p>	<p>6 ENGINEERING Blow up balloons, attach a basket, and drop them off a ladder. Put different things in the basket and see how fast it falls.</p>	<p>7 ART If the weather is cold enough, make frozen balloon art https://tinyurl.com/y3de74fy</p>	<p>8 MATH Try some of these balloon math activities https://tinyurl.com/y3fdlaz9</p>	<p>9 Write or draw about what you learned this week. Take a balloon on your weekly walk and see what happens in the cold weather!</p>
<p>10 Theme of the week is: String Read The weaver by Hurd Thacher</p>	<p>11 SCIENCE Get 5 different kinds of string. Tie them to something heavy and drop it from a stool or ladder. Do they break?</p>	<p>12 TECHNOLOGY Get pieces of yarn, twine, and cotton string. Unwind the individual fibers and see how many pieces are there.</p>	<p>13 ENGINEERING Do a pendulum experiment https://explorable.com/pendulum-experiment</p>	<p>14 ART Make string art https://artfulparent.com/pulled-string-art-is-mesmerizing-and-addictive/</p>	<p>15 MATH Cut and measure pieces of string. Line them up in order of length. Can you join some together? Measure them again.</p>	<p>16 Write or draw about what you learned this week. Go on a walk and look for how string and rope is being used.</p>
<p>17 Theme of the week is: Music Read Before Music by Annette Bay Pimentel</p>	<p>18 SCIENCE Do an experiment from Science Experiments with sight and sound by Alex Kuskowski</p>	<p>19 TECHNOLOGY Make a pan flute with straws.</p>	<p>20 ENGINEERING Make a harmonica with tongue depressors.</p>	<p>21 ART Listen to music and draw what you hear</p>	<p>22 MATH Read Count by 10 to 100 by Charles Ghigna and sing the song included.</p>	<p>23 Write or draw about what you learned this week. Go on a walk and listen for different sounds.</p>
<p>24 Theme of the week is: Snow Read Best in snow by April Pulley Sayre</p>	<p>25 SCIENCE Read The story of snow by Mark Cassino.</p>	<p>26 TECHNOLOGY Use a microscope or magnifying glass to look at snowflakes.</p>	<p>27 ENGINEERING Build something out of snow.</p>	<p>28 ART Use squirt bottles to draw in the snow.</p>	<p>29 MATH Cut out snowflakes. Remember to make them symmetrical!</p>	<p>30 Write or draw about what you learned this week. Look at the snow on your walk.</p>