

October 2020 STEAM Ideas

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<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! This is also a good time to collect sticks, acorns, pinecones, and other natural wonders to play with and investigate indoors all winter long.</p>				1	2	3
<p>4 READ Fry bread : a Native American family story by Kevin Maillard</p>	<p>5 SCIENCE Mix up a simple bread recipe and watch the chemical reaction as the bread rises</p>	<p>6 TECHNOLOGY How would bread bake differently in different ovens? If you can't try it, look online for videos of different ovens.</p>	<p>7 ENGINEERING Build a better oven! How would you make the best oven to cook bread in, not too hot, not too cold?</p>	<p>8 ART Roll your dough into snakes and make pret-zels, rolls, and other fun shapes.</p>	<p>9 MATH Try measuring different amounts of yeast in your bread. Does it change the bread?</p>	<p>10 Write or draw about what you learned this week. Try baking something outside.</p>
<p>11 READ From pumpkin to pie by Lisa Owings</p>	<p>12 SCIENCE Cook a pumpkin and observe how the texture and flavor changes from raw pumpkin.</p>	<p>13 TECHNOLOGY With an adult's help, use different tools to carve a pumpkin. Which works best?</p>	<p>14 ENGINEERING Design a face for your pumpkin and use the best tool from yesterday to create your design.</p>	<p>15 ART Use mini pumpkins to make prints with paint.</p>	<p>16 MATH Count all the seeds in a pumpkin</p>	<p>17 Write or draw about what you learned this week. Take a walk and see if you spy any pumpkins</p>
<p>18 READ Yellow Time by Lauren Stringer</p>	<p>19 SCIENCE Pick up a FREE 15-minute STEAM kit at the APL to find out why leaves change color</p>	<p>20 TECHNOLOGY Use scissors to cut out your own leaf patterns.</p>	<p>21 ENGINEERING Build a nest of leaves. How can you make them stick together?</p>	<p>22 ART Make leaf rubbings</p>	<p>23 MATH Collect different leaves and compare them. How many shapes are the same? Are they symmetrical?</p>	<p>24 Write or draw about what you learned this week. Take a walk and observe the leaves on the trees.</p>
<p>25 READ Too Sticky! by Jen Malia</p>	<p>26 SCIENCE Using small amounts of different ingredients, mix four different kinds of goo. How are they different?</p>	<p>27 TECHNOLOGY Make your own bouncy ball with slime https://tinyurl.com/y2sodbya</p>	<p>28 ENGINEERING Can you make slime tough enough to build a structure? Experiment and find out!</p>	<p>29 ART Try mixing glitter, paint, and other things with your slime and see what happens.</p>	<p>30 MATH Follow the directions to make slime, counting all your measurements carefully.</p>	<p>31 Write or draw about what you learned this week. Take a walk and see if you can find any natural slimes, like slugs</p>