

Date/Times	Topic/Activity	Materials Needed for Activity
<b>September 8</b> • 9:00 am • 2:00 pm	<b>Collecting Pollen</b>	<ul style="list-style-type: none"> <li>• small plate</li> <li>• colored powder juice mix (Kool-Aid or lemonade)</li> <li>• coffee filter</li> <li>• markers</li> <li>• spray bottle with water</li> <li>• 5 cotton balls</li> <li>• glue</li> <li>• jumbo craft stick</li> <li>• 2 ft. of masking tape</li> <li>• pom-poms</li> <li>• Q-tips</li> </ul>
<b>September 15</b> • 9:00 am • 2:00 pm	<b>Pinball Machine</b>	<ul style="list-style-type: none"> <li>• cardboard lid or large piece of cardboard</li> <li>• large rubber band</li> <li>• tape</li> <li>• Sharpie marker</li> <li>• marble</li> <li>• a variety of craft materials for obstacles/traps (ex. paper cups, toothpicks, toilet paper rolls, scissors, craft sticks)</li> </ul>
<b>September 22</b> • 9:00 am • 2:00 pm	<b>Sundial</b>	<ul style="list-style-type: none"> <li>• paper plate</li> <li>• straw</li> <li>• glue stick</li> <li>• scissors</li> <li>• tape</li> <li>• pencil</li> <li>• <a href="#">Simple Sundial template</a> (If you can't print the template, we will show you how to draw it with a ruler.)</li> <li>• compass or phone app that will allow you to find North (<b>for teacher use</b>)</li> </ul>
<b>September 29</b> • 9:00 am • 2:00 pm	<b>Cups &amp; Coding</b>	<ul style="list-style-type: none"> <li>• 6 plastic cups</li> <li>• rubber band</li> <li>• 36 inches of string</li> <li>• 4 pipe cleaners</li> </ul>
<b>October 6</b> • 9:00 am • 2:00 pm	<b>Balloon Car</b>	<ul style="list-style-type: none"> <li>• balloon</li> <li>• straw</li> <li>• rubber band</li> <li>• tape</li> <li>• scissors</li> <li>• bamboo skewers or toothpicks (something to go through the straw to act as an axle)</li> <li>• materials for the body (ex. small box, bottle, popsicle sticks, etc.)</li> <li>• materials for wheels (ex. water bottle lids, etc.)</li> <li>• <a href="#">Balloon Car Challenge worksheet</a> (<b>optional</b>)</li> </ul>

Date/Times	Topic/Activity	Materials Needed for Activity
<b>October 13</b> • 9:00 am • 2:00 pm	<b>Chromatography</b>	<ul style="list-style-type: none"> <li>• 3 coffee filters</li> <li>• 3 clear plastic cups with a very small amount of water</li> <li>• 3 paper plates</li> <li>• 2 ½ feet of yarn or string</li> <li>• washable markers (1 brown, 1 black and 1 any other color)</li> <li>• ruler</li> </ul>
<b>October 20</b> • 9:00 am • 2:00 pm	<b>Pumpkin Chunkin</b>	<ul style="list-style-type: none"> <li>• 7 craft sticks</li> <li>• 4 rubber bands</li> <li>• 1 water bottle lid</li> <li>• small candy pumpkins or small pom-poms</li> <li>• hot glue gun (<b>for teacher use</b>)</li> </ul>
<b>October 27</b> • 9:00 am • 2:00 pm	<b>Candy Chemistry</b>	<ul style="list-style-type: none"> <li>• baking soda</li> <li>• vinegar</li> <li>• spoons (to dish out materials)</li> <li>• 4 clear plastic cups with water</li> <li>• 4 different pieces of candy (anything that is not chocolate-based, like Starbursts, Skittles, hard candy, Airheads, chewy candy)</li> </ul>
<b>November 3</b> • 9:00 am • 2:00 pm	<b>Binary Bracelet</b>	<ul style="list-style-type: none"> <li>• string or pipe cleaner</li> <li>• beads of two different colors that will fit on the string or pipe cleaner</li> <li>• <a href="#">Binary Bracelets Decoder Key worksheet</a> (PDF)</li> <li>• <a href="#">Binary Strips worksheet</a> (PDF)</li> </ul>
<b>November 10</b> • 9:00 am • 2:00 pm	<b>Digital Breakout</b>	<ul style="list-style-type: none"> <li>• electronic device for accessing the digital breakout website (Chromebook, computer, or tablet are recommended over a phone)</li> </ul>
<b>November 17</b> • 9:00 am • 2:00 pm	<b>Bucket Tower</b>	<ul style="list-style-type: none"> <li>• 1 3-oz. cup with two holes punched on opposite sides (using hole punch)</li> <li>• 36 inches of string</li> <li>• 20 straws</li> <li>• tape</li> <li>• something to add weight to cup (ex. pennies)</li> </ul>
<b>December 1</b> • 9:00 am • 2:00 pm	<b>Flying Into a Problem</b>	<ul style="list-style-type: none"> <li>• multiple sheets of blank paper</li> <li>• scissors</li> <li>• measuring tape or ruler</li> </ul>
<b>December 8</b> • 9:00 am • 2:00 pm	<b>Jacket for Frosty</b>	<ul style="list-style-type: none"> <li>• 2 disposable water bottles frozen ahead of time</li> <li>• glove or cloth that can be used to cover one of the frozen water bottles</li> <li>• digital thermometer (<b>optional</b>)</li> </ul>

*All sessions will be live-streamed via Zoom. A Zoom link will be provided to registrants after registration.*

*Revised 11/8/2021*