

## Second Grade STEM Unit

STEM Area	Name of Lesson:	Iowa/Common Core Concepts	Where to Find It <a href="https://www.teachersgoinggreen.com">@TeachersGoingGreen.com</a>
<b>Science</b>	<b>Celebrating Urban Birds</b>	<ul style="list-style-type: none"> <li>• <b>2-LS4-1</b> Make observations of plants and animals to compare the diversity of life in different habitats.</li> </ul>	<b>Second Grade Mathematics</b>
	<b>How Are We Alike, How Are We Different?</b>	<ul style="list-style-type: none"> <li>• <b>2-LS4-1</b> Make observations of plants and animals to compare the diversity of life in different habitats.</li> </ul>	<b>Second Grade Science</b>
	<b>Landforms at Home &amp; Beyond</b>	<ul style="list-style-type: none"> <li>• <b>2-ESS2-2</b> Develop a model to represent the shapes and kinds of land and bodies of water in an area.</li> </ul>	<b>Second Grade Science</b>
	<b>Who Will Pollinate Our Garden?</b>	<ul style="list-style-type: none"> <li>• <b>2-LS2-2</b> Develop a simple model that mimics the function of an animal in dispersing seeds or pollinating plants.</li> </ul>	<b>Second Grade Science</b>
<b>Technology</b>	<b>Photographing a Math Problem</b>	<ul style="list-style-type: none"> <li>• <b>2.OA.C.3.</b> Determine whether a group of objects (up to 20) has an odd or even number of members, e.g., by pairing objects or counting them by 2s; write an equation to express an even number as a sum of two equal addends.</li> </ul>	<b>Second Grade Mathematics</b>
	<b>Writing a Persuasive Letter</b>	<ul style="list-style-type: none"> <li>• <b>W.2.1</b> Write opinion pieces in which they introduce the topic or book they are writing about, state an opinion, supply reasons that support the opinion, use linking words (e.g., because, and, also) to connect opinion and reasons, and provide a concluding statement or section.</li> </ul>	<b>Second Grade English Language Arts</b>
	<b>Keyboard &amp; Three-Letter Word Forming</b>	<ul style="list-style-type: none"> <li>• <b>SL.2.1</b> Participate in collaborative conversations with diverse partners about grade 2 topics and texts with peers and adults in small and larger groups.</li> </ul>	<b>Second Grade English Language Arts</b>

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<b>Engineering</b>	<b>Recycled Art</b>	<ul style="list-style-type: none"> <li>• <b>L.2.3</b> Use knowledge of language and its conventions when writing, speaking, reading, or listening.</li> </ul>	<b>Second Grade English Language Arts</b>
	<b>Recycled Fractals</b>	<ul style="list-style-type: none"> <li>• <b>2.G.A.1</b> Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces.1 Identify triangles, quadrilaterals, pentagons, hexagons, and cubes.</li> </ul>	<b>Second Grade Mathematics</b>
	<b>Sound Map</b>	<ul style="list-style-type: none"> <li>• <b>K-2-ETS1-1</b> Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.</li> </ul>	<b>Second Grade 21<sup>st</sup> Century Skills</b>
<b>Mathematics</b>	<b>Beginning Playground Pickup</b>	<ul style="list-style-type: none"> <li>• <b>2.MD.D.10</b> Draw a picture graph and a bar graph (with single-unit scale) to represent a data set with up to four categories. Solve simple put-together, take-apart, and compare problems using information presented in a bar graph.</li> </ul>	<b>Second Grade Mathematics</b>
	<b>Geometric Jumble Recycled</b>	<ul style="list-style-type: none"> <li>• <b>2.G.A.1</b> Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces.1 Identify triangles, quadrilaterals, pentagons, hexagons, and cubes.</li> </ul>	<b>Second Grade Mathematics</b>
	<b>Flying Bags</b>	<ul style="list-style-type: none"> <li>• <b>2.MD.A.1</b> Measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes. *Have students measure lengths in order to adjust 3rd grade standard to 2nd grade standard</li> </ul>	<b>*Third Grade Mathematics</b>