





# Technology-Connected Lesson Plan

<b>Title:</b>	<b>"Mystery Element" Fact Flipper</b>
Grade Levels:	4-8 Grade
Curriculum Areas:	🖥️ Science
Measurable Objectives:	<p>🖥️ <b>Lesson Objectives:</b></p> <ul style="list-style-type: none"> <li>🖥️ TSW list characteristics of different elements.</li> <li>🖥️ TSW create "Mystery Element" Fact Flippers.</li> </ul>
LA Comprehensive Curriculum	<p>🖥️ Grade 6, Science, Activity 3 "Mystery Element"</p> <p>🖥️ GLEs: SI 14, 19 PS 10</p>
Grade Level Expectations (GLE)	<p>SI:</p> <p>Develop models to illustrate or explain conclusions reached through investigation (SI-M-A5)</p> <p>Communicate ideas in a variety of ways (e.g., symbols, illustrations, graphs, charts, spreadsheets, concept maps, oral and written reports, equations) (SI-M-A7)</p> <p>PS:</p> <p>Identify the average atomic masses of given elements using the periodic table (PS-M-A7)</p>
K12 Educational Technology Standards:	<p>🖥️ <b>Technology Guidelines:</b></p> <ul style="list-style-type: none"> <li>• Technology Communication Tools</li> <li>• Technology Productivity Tools</li> <li>• Technology Research Tools</li> <li>• Basic Operations and Concepts</li> </ul> <p>🖥️ <b>Technology Performance Indicators</b></p> <ul style="list-style-type: none"> <li>• Identify, explain, and effectively use input, output and storage devices of computers and other technologies (e.g., keyboard, mouse, scanner, adaptive devices, monitor,</li> </ul>

	<p>printer floppy disk, hard drive).</p> <ul style="list-style-type: none"> <li>• Use accurate and developmentally appropriate terminology (e.g., cursor, software, hardware, pull down menu, window, disk drive, hard drive, CD-ROM, laser disc) when referring to technology.</li> <li>• Use a variety of developmentally appropriate resources and productivity tools (e.g., logical thinking programs, writing and graphic tools, digital cameras, graphing software) for communication, presentation, and illustration of thoughts, ideas, and stories (e.g., signs, posters, banners, charts, journals, newsletters, and multimedia presentation.)</li> </ul> <p>☞ Use technology tools (e.g., publishing, multimedia tools, and word processing software) for individual and for simple collaborative writing, communication, and publishing activities for a variety of audiences. (1,3)</p>
Technology Connection:	<p>PowerPoint, computers, printer, presentation station,  <a href="http://education.jlab.org/itselemental/">http://education.jlab.org/itselemental/</a>  <a href="http://education.jlab.org/elementhangman/index.html">http://education.jlab.org/elementhangman/index.html</a>  <a href="http://education.jlab.org/elementcrossword/index.html">http://education.jlab.org/elementcrossword/index.html</a></p>
Procedures: <b>DAY 1</b>	<p><b>Introduction:</b></p> <ol style="list-style-type: none"> <li>1. TTW introduce this activity by drawing a picture on the board and seeing if the students can guess what it is. TTW let the students know today they will be giving clues about "Mystery Elements".</li> </ol> <p><b>Procedures:</b></p> <ol style="list-style-type: none"> <li>2. TTW explain to the students what a "Fact Flipper" is. TTW show the students an example of a fact flipper.</li> <li>3. TTW model for the students how to create a fact flipper using PowerPoint. TTW also model how to cut and glue the fact flippers together.</li> <li>4. TSW be given 6 elements to research. TSW go to <a href="http://education.jlab.org/itselemental/">http://education.jlab.org/itselemental/</a> to research their elements. TSW record their facts on a research sheet.</li> <li>5. Once the students have completed their research they will begin creating their fact flippers.</li> <li>6. Once the fact flippers are completed they will print their slides in <b>handouts (6 slides per page)</b>.</li> </ol>

	<p>7. Early finishers can go to  <a href="http://education.jlab.org/elementhangman/index.html">http://education.jlab.org/elementhangman/index.html</a>  <a href="http://education.jlab.org/elementcrossword/index.html">http://education.jlab.org/elementcrossword/index.html</a></p> <p><b>Closure:</b>        8. Students will exchange their fact flippers and guessing the "Mystery Elements".</p>
<b>Materials:</b>	Paper/pencil, research sheets, scissors, glue
<b>Assessment:</b>	Completed research forms, completed fact flippers, teacher observation
<b>Teacher's Name:</b>	 Melissa Ryan
<b>School:</b>	 Loranger Middle/ Amite West Side