



# Technology-Connected Lesson Plan

<b>Title:</b>	<b>Fun with Polygons?</b>
Grade Levels:	2 - 4
Curriculum Areas:	☞ Math
Measurable Objectives:	<ul style="list-style-type: none"> <li>☞ TLW identify polygons.</li> <li>☞ TLW locate polygons.</li> <li>☞ TLW create a bubble map on polygons.</li> </ul>
Louisiana Comprehensive Curriculum	☞ <b>Grade 4 Activity 17: Fun with Polygons (GLEs: 27)</b>
GLE's:	27. Identify, describe the properties of, and draw circles and polygons (triangle, quadrilateral, parallelogram, trapezoid, rectangle, square, rhombus, pentagon, hexagon, octagon, and decagon) (G-2-E)
Technology Guidelines:	<p>Technology Problem-Solving and Decision-Making Tools (<i>Problem Solving Foundation Skill</i>)</p> <ul style="list-style-type: none"> <li>◆ Students employ technology for real world problem solving.</li> </ul> <p>Technology Productivity Tools (<i>Resource Access and Utilization Foundation Skill</i>)</p> <ul style="list-style-type: none"> <li>◆ Students use technology tools to enhance learning, increase productivity, and promote creativity</li> </ul>
Technology Connection:	<ul style="list-style-type: none"> <li>☞ Presentation Station, Internet, PowerPoint (<u><a href="#">The Greedy Triangle</a></u> by Marilyn Burns and "Polygon or Not?"), KidPix</li> <li>☞ <a href="http://library.thinkquest.org/J002441F/polygons.htm">http://library.thinkquest.org/J002441F/polygons.htm</a></li> <li>☞ <a href="http://www.iknowthat.com/com/L3?Area=GeometryWorkbench&amp;COOK">http://www.iknowthat.com/com/L3?Area=GeometryWorkbench&amp;COOK</a></li> </ul>
Procedures:	<ul style="list-style-type: none"> <li>☞ The teachers will introduce polygons by sharing the story <u><a href="#">The Greedy Triangle</a></u> on PowerPoint.</li> <li>☞ Teacher will view the following website with students. <a href="http://library.thinkquest.org/J002441F/polygons.htm">http://library.thinkquest.org/J002441F/polygons.htm</a> Teacher and students will discuss web site and polygons they have seen in real life.</li> <li>☞ Students will play "Polygon or Not?". The teacher will show students a variety of shapes on PowerPoint. SW guess if the shape is a polygon or not. If it is a polygon, they must name it.</li> </ul>

	<p>If it is not a polygon, they must tell why it is not.</p> <ul style="list-style-type: none"> <li>🖥️ TSW create a bubble map on polygons using KidPix. TSW locate and insert 3 stickers that are polygons into bubbles of the map and draw 2 polygons of their own in bubbles. TS must type the name of each polygon.</li> <li>🖥️ Early finishers will go to <a href="http://www.iknowthat.com/com/L3?Area=GeometryWorkbench&amp;COOK=">http://www.iknowthat.com/com/L3?Area=GeometryWorkbench&amp;COOK=</a> to build a town using polygons.</li> <li>🖥️ Each group will share their bubble map on the presentation station.</li> </ul>
Materials:	<ul style="list-style-type: none"> <li>🖥️ Computers, Internet, PowerPoint (<u>The Greedy Triangle</u> and "Polygon or Not"), presentation station</li> </ul>
Assessment:	<ul style="list-style-type: none"> <li>🖥️ Teacher observation</li> <li>🖥️ Completed bubble map</li> </ul>
Teacher's Name:	<ul style="list-style-type: none"> <li>🖥️ Melissa M. Ryan</li> </ul>
School:	<ul style="list-style-type: none"> <li>🖥️ Champ Cooper/Tucker Elementary</li> </ul>