



















Technology-Connected Lesson Plan

Title:	Geometry
Grade Levels:	3-6 (or above)
Curriculum Areas:	☞ Math
Lesson Objectives:	<ul style="list-style-type: none"> ☞ The learner will define geometry terms used in class. ☞ The learner will use geometry to explore the relationship of objects in and around the school. ☞ The learner will find examples of specific geometry terms in the classroom, as well as in other parts of the school. ☞ The learner will recognize geometry in the world. ☞ The learner will work cooperatively with a partner to take digital photos.
La. Content Standards:	<p>G-6-E demonstrating the connection of geometry to the other strands and to real-life situations.</p> <p>G-2-M identifying, describing, comparing, constructing, and classifying geometric figures and concepts.</p>
Technology Guidelines:	<p>Technology Standards</p> <p>1. Technology Communication Tools (<i>Communication Foundation Skill</i>) Students use telecommunications to collaborate, publish, and interact with peers, experts and other audiences. Students use a variety of media and formats to communicate and present information and ideas effectively to multiple audiences.</p> <p>3. Technology Productivity Tools (<i>Resource Access and Utilization Foundation Skill</i>) Students use technology tools to enhance learning, increase productivity, and promote creativity. Students use productivity tools to work collaboratively in developing technology-rich, authentic, student-centered products.</p> <p>4. Technology Research Tools (<i>Linking and Generating Knowledge Foundation Skill</i>) Students use appropriate technology to locate, evaluate, and collect information from a variety of sources.</p> <p>6. Basic Operations and Concepts Students demonstrate a sound understanding of the nature and</p>

	<p>operation of technology systems. Students are proficient in the use of technology.</p>
Technology Connection:	<ul style="list-style-type: none">  Digital camera  Computer with appropriate software and printer <p>Listed below are several sites that students can explore to enhance this project:</p> <ul style="list-style-type: none">  Middle School Geometry www.ies.co.jp/math/java/geo/  National Library of Virtual Manipulatives for Interactive Mathematics http://matti.usu.edu/nlvm/nav/vlibrary.html
Procedures:	<ul style="list-style-type: none">  In this project, students create a vocabulary photo book and Powerpoint slides that demonstrates their understanding of geometry concepts learned in class.  First, the teacher divides students into small groups and assigns each group one or more geometry terms.  The students define those terms and then use a digital camera to take photos of objects around the school that illustrate their definitions.  Students select the best examples for each term that they were assigned.  They create a photo book and slides that combines their definitions with their photo examples.  Each group of students can create their own book and Powerpoint presentation or contribute pages to one classroom book and presentation.  Groups may choose to present their work to parents, other classes, or at Open House/Technology Night.
Assessment:	 Rubric
Materials:	<ul style="list-style-type: none">  Digital camera  Computer with Word, Powerpoint, printer, etc.
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