



Recommended Advanced Geometry Curriculum Framework

<b>Content: MATHEMATICS – ADVANCED GEOMETRY</b>						
<b>Topic: Unit 7 Polygons 5 days</b>						
<b>Content</b> (What do your students need to KNOW?)	<b>Demonstrators</b> (What do your students need to be able to DO?)	<b>Assessment</b> (How will you assess what your students ALREADY KNOW, and assess WHAT THEY'VE LEARNED?)	<b>Activities</b> (HOW will you teach it?)	<b>Resources</b> (What MATERIALS will you need?)	<b>Differentiation</b> (How will you reach the DIVERSITY of learners?)	<b>Literacy Connection</b> (How will you use READING and WRITING with this material?)
<p><b>MA-H-2.2.2</b> Students will classify two-dimensional and three-dimensional geometric figures according to their characteristics such as lengths of sides; angle measures; and number of sides, faces, edges, and vertices. Students will describe the intersection of a plane with a three-dimensional geometric figure.</p> <p><b>MA-H-1.1.3</b> Student will apply real numbers to both real-world and mathematical situations.</p>	<p><b>Academic Expectations</b>  <b>1.5 - 1.9</b> Students use mathematical ideas and procedures to communicate, reason, and solve problems.  <b>2.9</b> Students understand space and dimensionality concepts and use them appropriately and accurately.</p> <p><b>Program of Studies</b>  <b>M-H-G-13</b> Students will use inscribed and circumscribed polygons.  <b>M-H-G-6</b> Students will describe, draw, and construct two-dimensional and three-dimensional figures.  <b>M-H-G-11</b> Students will use properties of other polygons.  <b>M-H-G-12</b> Students will use properties of circles, arcs, chords, central angles, inscribed angles, and concentric circles</p>			<p>Competency Assurance: Star Points</p>		