



Recommended Advanced Geometry Curriculum Framework

Content: MATHEMATICS – ADVANCED GEOMETRY						
Topic: Unit 14 Locus and Constructions 4days						
Content (What do your students need to KNOW?)	Demonstrators (What do your students need to be able to DO?)	Assessment (How will you assess what your students ALREADY KNOW, and assess WHAT THEY'VE LEARNED?)	Activities (HOW will you teach it?)	Resources (What MATERIALS will you need?)	Differentiation (How will you reach the DIVERSITY of learners?)	Literacy Connection (How will you use READING and WRITING with this material?)
<p>MA-H-2.3.3 Students will understand how figures in a coordinate plane and their resulting images under a transformation are algebraically and geometrically related. Students will describe elements that change and elements that do not change under these transformations.</p> <p>MA-H-2.2.1 Students will perform transformations (reflections, translations, rotations, dilations) on figures.</p>	<p>Academic Expectations 1.5 - 1.9 Students use mathematical ideas and procedures to communicate, reason, and solve problems. 2.9 Students understand space and dimensionality concepts and use them appropriately and accurately.</p> <p>Program of Studies M-H-G-23 Students will use the relationship between a figure and its image under a transformation (congruence, similarity, size, and scale changes).</p>			<p>Competency Assurance:</p> <ul style="list-style-type: none"> • Lines and Angles • Design a Wallpaper Pattern <p>Supplement: Tessellations</p>		