

**Geometry – Grades 10-12**  
**District 2853**

Month	Content	Performance Standards Addressed Grades 9-11 Grades 11-12		Skills for Student Achievement	Assessment
September	<ul style="list-style-type: none"> <li>· Points and Lines</li> <li>· Language &amp; Logic of Geometry</li> </ul>	Geometry - Benchmarks #1, #8		<ul style="list-style-type: none"> <li>· Identify the four types of points and lines</li> <li>· Design a two-point perspective drawing</li> <li>· Identify Euclidean postulates, statements and definitions</li> </ul>	
October	<ul style="list-style-type: none"> <li>· Angles and Lines</li> <li>· Geometer's Sketchpad</li> </ul>	Mathematical Reasoning - Benchmarks #2, #6 Geometry - Benchmark #1		<ul style="list-style-type: none"> <li>· Classify angle types and properties</li> <li>· Demonstrate a conditional, converse and bi-conditional</li> <li>· Use Geometer's Sketchpad to make conjectures</li> </ul>	
November	<ul style="list-style-type: none"> <li>· Reflections and Congruence</li> </ul>	Geometry - Benchmarks #1, #6, #7		<ul style="list-style-type: none"> <li>· Classify the types of transformations</li> <li>· Design miniature golf hole</li> <li>· Determine figure congruence</li> </ul>	
December	<ul style="list-style-type: none"> <li>· Proofs and Congruence</li> <li>· Polygons and Symmetry</li> </ul>	Geometry - Benchmark #1		<ul style="list-style-type: none"> <li>· Identify corresponding parts of congruent figures</li> <li>· Write two-column and paragraph proofs</li> <li>· Identify types of quadrilaterals and properties</li> </ul>	
January	<ul style="list-style-type: none"> <li>· Triangle Congruence</li> </ul>	Geometry - Benchmark #1		<ul style="list-style-type: none"> <li>· Classify types of triangle congruence</li> <li>· Determine properties and characteristics of parallelograms</li> </ul>	
February	<ul style="list-style-type: none"> <li>· Perimeters and Area (Inquiry Standard)</li> </ul>	Geometry - Benchmarks #3, #4		<ul style="list-style-type: none"> <li>· Determine area and perimeter of various polygons</li> <li>· Apply the Pythagorean Theorem</li> </ul>	
March	<ul style="list-style-type: none"> <li>· 3 – D Figures</li> </ul>	Spatial Sense - Benchmark #1		<ul style="list-style-type: none"> <li>· Draw and classify three-dimensional figures</li> <li>· Determine surface nets for 3-D figures</li> </ul>	
April	<ul style="list-style-type: none"> <li>· Surface Area and Volumes (Similarity)</li> </ul>	Geometry - Benchmarks #1, #3, #5		<ul style="list-style-type: none"> <li>· Compute surface area and volume</li> <li>· Demonstrate indirect proof</li> <li>· Demonstrate coordinate proof</li> <li>· Identify similar figures</li> <li>· Apply proportions to problem solve</li> </ul>	

May	<ul style="list-style-type: none"> <li>· Similar Triangles and Trigonometry</li> <li>· Circles</li> <li>· Coordinate Geometry</li> </ul>	<p>Geometry</p> <ul style="list-style-type: none"> <li>- Benchmarks #1, #2, #3, #4</li> </ul> <p>Computation &amp; Operation</p> <ul style="list-style-type: none"> <li>- Benchmark #3</li> </ul>		<ul style="list-style-type: none"> <li>· Classify types of similarity</li> <li>· Apply right triangle properties</li> <li>· Use trig properties to determine angle measure and segment length</li> <li>· Determine arc measure and arc length</li> <li>· Apply properties of circle terms</li> </ul>	
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