

# Hickman County Curriculum Map

Eighth Grade

Mathematics

Fourth Six Weeks

Grade Level Expectations	Checks for Understanding	Student Performance Indicator(s)
<p>GLE 0806.4.2 Understand the relationships among the angles formed by parallel lines cut by transversals.</p> <p>GLE 0806.4.5 Use visualization to describe or identify intersections, cross-sections, and various views of geometric figures.</p>	<p>Review of basic geometric terms: Points, Lines, and Planes</p> <p>0806.4.5 Analyze the congruent and supplementary relationships of angles formed by parallel lines and transversals (such as alternate interior, alternate exterior, corresponding, and adjacent).</p> <p>0806.4.7 Visualize or describe the cross-section resulting from the intersection of a plane with a 3-dimensional figure.</p> <p>0806.4.8 Build, draw, and work with 2- and 3-dimensional figures by means of orthogonal views, projective views, and/or nets.</p>	<p>SPI 0806.4.3 Find measures of the angles formed by parallel lines cut by a transversal.</p> <p>SPI 0806.4.5 Identify the intersection of two or more geometric figures in the plane.</p>

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<p>GLE 0806.4.1 Derive the Pythagorean theorem and understand its applications.</p> <p>GLE 0806.4.4 Understand both metric and customary units of measurement.</p>	<p>0806.4.1 Model the Pythagorean Theorem.</p> <p>0806.4.2 Use the converse of the Pythagorean Theorem to determine if a triangle is a right triangle.</p> <p>0806.4.6 Make within-system and between-system conversions of derived quantities including distance, temperature, and money.</p>	<p>SPI 0806.4.1 Use the Pythagorean Theorem to solve contextual problems.</p> <p>SPI 0806.4.2 Apply the Pythagorean theorem to find distances between points in the coordinate plane to measure lengths and analyze polygons and polyhedra.</p> <p>SPI 0806.4.4 Convert between and within the U.S. Customary System and the metric system.</p>
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