

# Hickman County Curriculum Map

Eighth Grade

Mathematics

Fifth Six Weeks

Grade Level Expectations	Checks for Understanding	Student Performance Indicator(s)
<p>GLE 0806.5.2 Select, create, and use appropriate graphical representations of data (including scatterplots with lines of best fit) to make and test conjectures.</p> <p>GLE 0806.1.5 Use mathematical ideas and processes in</p>	<p>0806.5.4 Explain the benefits and the limitations of various representations (i.e., bar graphs, line graphs, circle graphs, histograms, stem-and-leaf plots, box plots, scatterplots) of data.</p> <p>0806.5.5 Create and interpret box-and-whisker plots and scatterplots.</p> <p>0806.5.6 Use observations about differences between two or more samples to make conjectures about the populations from which the samples were taken.</p> <p>0806.5.7 Estimate lines of best fit to make and test conjectures.</p>	<p>SPI 0806.5.3 Generalize the relationship between two sets of data using scatterplots and lines of best fit.</p>

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<p>different settings to formulate patterns, analyze graphs, set up and solve problems and interpret solutions.</p> <p>GLE 0806.5.3 Evaluate the use of statistics in media reports.</p> <p>GLE 0806.5.1 Explore probabilities for compound, independent and/or dependent events.</p>	<p>0806.1.1 Relate nonlinear functions to geometric contexts of length, area, and volume.</p> <p>0806.1.2 Draw qualitative graphs (trend graphs) of functions and describe their general shape/trend.</p> <p>0806.5.3 Recognize common misconceptions associated with dependent and independent events.</p> <p>0806.5.8 Consider the source, design, analysis, and display of data to evaluate statistics reported in the media.</p>	<p>SPI 0806.1.2 Interpret a qualitative graph representing a contextual situation.</p> <p>SPI 0806.5.4 Recognize misrepresentations of published data in the media.</p> <p>0806.5.1 Calculate probabilities of events for simple experiments with equally probable</p>
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	<p>0806.5.1 Solve simple problems involving probability and relative frequency.</p> <p>0806.5.2 Compare probabilities of two or more events and recognize when certain events are equally likely.</p>	<p>outcomes.</p> <p>0806.5.2 Use a variety of methods to compute probabilities for compound events (e.g., multiplication, organized lists, tree diagrams, area models).</p>
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