

Hickman County Curriculum Map

Sixth Grade

Mathematics

Sixth Six Weeks

| Grade Level Expectations | Checks for Understanding | Student Performance Indicator(s) |
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| <p>6.1.8 Use technologies/manipulatives appropriately to develop understanding of mathematical algorithms, to facilitate problem solving, and to create accurate and reliable models of mathematical concepts.</p> <p>6.3.2 Interpret and represent algebraic relationships with variables in expressions, simple equations and inequalities.</p> <p>6.3.1 Write and solve two-step equations and inequalities.</p> <p>6.3.5 Use multiple representations including symbolic algebra to model and/or solve contextual</p> | <p>6.1.4 Describe how changes in one quantity or variable result in changes in another. [pages 587, 590, 594 & 596]</p> <p>6.1.6 Model situations by devising and carrying out experiments and simulations. [page 630-634]</p> <p>6.1.8 Determine an appropriate sample to test an hypothesis. [graphing]</p> <p>6.1.11 Model algebraic expressions with manipulatives, technology, and pencil and paper. [pages 587, 590, 594, 596, & 598-600 + alg. tiles]</p> <p>6.3.1 Write and solve two-step linear equations corresponding to given situations (non-negative numbers only). Two step linear equations (also check 7th & 8th grade txt. Book)http://www.mathexpression.com/solving-linear-equations-practice-one.html</p> <p>6.3.2 Write and solve one-step inequalities corresponding to given situations (non-negative numbers only). [pages 602-603]</p> <p>6.3.6 Use equations to describe simple relationships</p> | <p>6.1.1 Make conjectures and predictions based on data. [circle graphs]</p> <p>6.1.5 Model algebraic expressions using algebra tiles. [page 587]</p> <p>6.3.4 Rewrite expressions to represent quantities in different ways. [</p> <p>6.3.6 Solve two-step linear equations using number sense, properties, and inverse operations.</p> <p>6.3.1 Represent on a number line the solution of a linear inequality. [pages 603-603]</p> <p>6.5.1 Determine the theoretical probability of simple and compound events in familiar contexts. [pages 630-634]</p> <p>6.5.2 Identify features of graphs that may be misleading. [lesson 13.4]</p> <p>6.5.3 Determine whether or not a sample is biased. [lesson 13.4 and old textbook]</p> |

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| <p>problems that involve linear relationships.</p> <p>6.5.1 Understand the meaning of probability and how it is expressed.</p> <p>6.5.2 Interpret representations of data from surveys and polls, and describe sample bias and how data representations can be misleading.</p> | <p>shown in a table or graph. [612-615]</p> <p>6.3.7 Move fluently between different representations (such as verbal, tabular, numerical, algebraic, and graphical) of equations and expressions.</p> <p>6.5.1 Understand that the probability of an event is a number between zero and one that expresses the likelihood of its occurrence. [pages 630-634]</p> <p>6.5.2 Identify the probability of an event as the ratio of the number of its actual occurrences to the total number of its possible occurrences. [pages 630-634]</p> <p>6.5.3 Express probabilities in different ways. [pages 630-634]</p> <p>6.5.4 Understand the differences probability and odds. [page 634]</p> <p>6.5.5 Analyze a situation that involves probability of an independent event. [page 642]</p> <p>6.5.8 Connect data sets and their graphical representations (such as bar graphs, circle graphs, and stem-and-leaf plots). [lessons 13.4, 13.5, & 13.7]</p> <p>6.5.10 Distinguish between a random and nonrandom sample. [13.4 extra sources and old book]</p> | |
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| | <p>6.5.11 Select the appropriate measure of center to describe a data set. [Mean & Median and page 651]</p> <p>6.5.12 Predict the characteristics of a population based on the analysis of sample data. [circle graphs; 88-91 and 709 #'s 20-21)</p> <p>6.5.6 Estimate the probability of simple and compound events through experimentation or simulation. [13.3]</p> <p>6.5.9 Determine the sample space for a given situation.</p> <p>6.5.7 Apply procedures to calculate the probability of complimentary events. [lesson 13.3]</p> | |
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