

<u>Mathematics</u>	
Number Operations	
	<p>The students will be able to:</p> <ul style="list-style-type: none">▪ Read, write and compare decimals to the hundredths place and whole numbers up to six digits.▪ Use models, benchmarks and equivalent forms to judge the size of fractions.▪ Recognize equivalent representations for the same number and generate them by decomposing and composing numbers.▪ Classify and describe numbers by their characteristics, including odd, even and multiples.▪ Represent and recognize multiplication, using various models, including sets and arrays.▪ Apply commutative and identity properties of multiplication to whole numbers.▪ Represent a mental strategy used to compute a given multiplication problem (up to two-digit by two-digit multiple of).▪ Demonstrate fluency with basic number relationships (12 X 12) of multiplication and division.▪ Apply and describe the strategy used to compute a given multiplication problem up to a two-digit by two-digit▪ Apply and describe the strategy used to compute a given division problem up to a three-digit by one-digit.▪ Estimate and justify the results of multiplication of whole numbers.
Algebraic Relationships	
	<p>The students will be able to:</p> <ul style="list-style-type: none">▪ Describe geometric and numeric patterns.▪ Analyze patterns using words, tables and graphs.▪ Represent a mathematical situation as an expression or number sentence.▪ Apply the commutative property of multiplication to whole numbers.▪ Model problem situations, using

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	<p>representations such as graphs, tables or number sentences.</p> <ul style="list-style-type: none"> ▪ Describe mathematical relationships in terms of constant rates of change
Geometric and Spatial Relationships	
	<p>The students will be able to:</p> <ul style="list-style-type: none"> ▪ Identify and describe the attributes of two- and three-dimensional shapes (prisms, cones, parallelism, perpendicularity). ▪ Describe the results of subdividing, combining and transforming shapes. ▪ Describe movement using common language and geometric vocabulary (forward, back, left, right, north, south, east, west). ▪ Predict the results of sliding/ translating, flipping/reflecting or turning/ rotating around the center point of a polygon. ▪ Construct a figure with multiple lines of symmetry and identify the lines of symmetry. ▪ Given the picture of a prism, identify the shapes of the faces
Measurement	
	<p>The students will be able to:</p> <ul style="list-style-type: none"> ▪ Identify and justify the unit of linear measure, including perimeter and customary metric. ▪ Identify equivalent linear measures within a system of measurement. ▪ Tell time to the nearest minute. ▪ Determine change from \$10.00 and add and subtract money values to \$10.00. ▪ Select and use benchmarks to estimate measurements (linear, capacity, weight). ▪ Select and use benchmarks to estimate measurements of 0-, 45-, 90- degree angles. ▪ Determine the area of a polygon on a rectangular grid.
Data and Probability	
	<p>The students will be able to:</p> <ul style="list-style-type: none"> ▪ Collect data using observations, surveys and experiments.

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	<ul style="list-style-type: none">▪ Create tables or graphs to represent categorical and numerical data (including line plots).▪ Describe important features of the data set.▪ Given a set of data, propose and justify conclusions that are based on the data.
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