

<u>Mathematics</u>	
Number Operations	
	<p>The students will be able to:</p> <ul style="list-style-type: none"> ▪ Read, write, compare and order unit fractions and decimals to thousandths. ▪ Recognize and generate equivalent forms of commonly used fractions, decimals and percents. ▪ Recognize equivalent representations for the same number and generate them by decomposing and composing numbers. ▪ Describe numbers according to their characteristics, including whole number factors, prime or composite, odd or even and square numbers. ▪ Represent and recognize division, using various models, including quotative and partitive. ▪ Describe the effects of multiplying and dividing whole numbers as well as the relationship between the two operations. ▪ Apply the distributive and associative properties to whole numbers. ▪ Describe a mental strategy used to compute a given division problem, where the quotient is a multiple of ten and the divisor is a one-digit number (e.g., $350 \div 7$). ▪ Apply and describe the strategy used to compute a given division problem up to a 3-digit by 2-digit. ▪ Estimate and justify the results of division of whole numbers.
Algebraic Relationships	
	<p>The students will be able to:</p> <ul style="list-style-type: none"> ▪ Make and describe generalizations about geometric and numeric patterns. ▪ Represent and analyze patterns, using words, tables and graphs. ▪ Represent a mathematical situation as an expression or number sentence, using a letter or symbol. ▪ Apply the distributive and associative

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	<p>properties to whole numbers.</p> <ul style="list-style-type: none"> ▪ Model problem situations and draw conclusions, using representations such as graphs, tables or number sentence. ▪ Identify, model and describe situations with constant or varying rates of change.
Geometric and Spatial Relationships	
	<p>The students will be able to:</p> <ul style="list-style-type: none"> ▪ Analyze 2- and 3-dimensional shapes by describing the attributes. ▪ Predict and justify the results of subdividing, combining and transforming shapes. ▪ Use coordinate systems to specify locations, describe paths and find the distance between points along horizontal and vertical lines. ▪ Predict, draw and describe the results of sliding/translating, flipping/reflecting and turning/ rotating around a center point of a polygon. ▪ Identify polygons and designs with rotational symmetry given a net of a prism or cylinder; identify the three dimensional shape.
Measurement	
	<p>The students will be able to:</p> <ul style="list-style-type: none"> ▪ Identify and justify the unit of measure for area (customary and metric). ▪ Identify the equivalent weights and equivalent capacities within a system of measurement. ▪ Solve problems involving elapsed time (hours). ▪ Describe how to solve problems involving the area of polygons and non-polygonal regions imposed on a rectangular grid. ▪ Convert from one unit to another within a system of measurement (linear).
Data and Probability	
	<p>The students will be able to:</p> <ul style="list-style-type: none"> ▪ Evaluate data collection methods. ▪ Describe methods to collect, organize and represent categorical and numerical data.

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	<ul style="list-style-type: none">▪ Compare related data sets.▪ Compare different representations of the same data and evaluate how well each representation shows important aspects of the data.▪ Given a set of data, make and justify prediction(s).▪ Describe the degree of likelihood of events, using such words as certain, equally likely and impossible.
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