

**Curriculum Map** (Revised 6/14/17)

**Grade:** 6<sup>th</sup> Accelerated

**Subject Area:** Mathematics

**Quarter:** 1

Strand/ Domain	Cluster	Standards-based Essential Skills/ Concepts to be Targeted & Instructional Strategies	Formative Assessment	Summative Assessment	Text Reference	
<p><b>The Number System</b></p> <p>FAMS.6.NS.1.1</p>	<p>Cluster 1</p>	<p>___ 1.1 Relate division and multiplication of fractions.</p> <p>___ 1.1 Divide fractions by fractions using models.</p> <p>___ 1.1 Divide fractions by fractions to solve problems.</p>	<p style="background-color: #d9ead3; text-align: center;">Formative Assessment</p>	<p style="background-color: #d9ead3; text-align: center;">Summative Assessment</p>	<p style="background-color: #fce4d6; text-align: center;">Text Reference</p>	
<p><b>The Number System</b></p> <p>FAMS.6.NS.2.2</p> <p>FAMS.6.NS.2.3</p> <p>FAMS.6.NS.2.4</p> <p>FAMS.7.NS.1.2</p>	<p>Cluster 2</p>	<p>___ 2.2 Divide multi-digit numbers using the standard algorithm.</p> <p>___ 2.3 Add and subtract multi-digit decimals.</p> <p>___ 2.3 Multiply multi-digit decimals.</p> <p>___ 2.3 Divide multi-digit decimals.</p> <p>___ 2.4 Find greatest common factors.</p> <p>___ 2.4 Find least common multiples.</p> <p>___ 2.4 Use distributive property to isolate a common factor.</p> <p>___ 7.1.2 Apply multiplication properties to rational numbers.</p>			<p style="background-color: #d9ead3; text-align: center;">Summative Assessment</p>	<p style="background-color: #fce4d6; text-align: center;">Text Reference</p>
<p><b>The Number System</b></p> <p>FAMS.6.NS.3.5</p> <p>FAMS.6.NS.3.6</p> <p>FAMS.6.NS.3.7</p> <p>FAMS.6.NS.3.8</p>	<p>Cluster 3</p>	<p>___ 3.5 Relate positive and negative numbers to real situations.</p> <p>___ 3.5 Write and identify opposites of integers.</p> <p>___ 3.6 Relate opposite numbers in ordered pairs to reflections.</p> <p>___ 3.7 Compare rational numbers using a number line.</p> <p>___ 3.8 Graph or identify points in four quadrants.</p> <p>___ 3.8 Write comparisons for ordering rational numbers in real situations.</p> <p>___ 3.8 Solve problems involving coordinate graphs in four quadrants.</p>			<p style="background-color: #d9ead3; text-align: center;">Summative Assessment</p>	<p style="background-color: #fce4d6; text-align: center;">Text Reference</p>

		___3.8 Find distance between two points with the same first or second coordinate.			
<b>The Number System</b> FAMS.7.NS.1.1 FAMS.7.NS.1.2	Cluster 1	___7.1.1 Add and subtract integers ___7.1.2 Multiply and divide integers.			
<b>Geometry</b> MAFS.6.G.1.3	Cluster 1	___1.3 Draw polygons given coordinates for the vertices. ___1.3 Use coordinates to calculate the length of vertical or horizontal segments.			

**The standards listed below will be incorporated into the Science & Social Studies curriculum.**

MAFS.6.SP.2.4 } Display numerical data in charts, graphs, and plots on a number line, including dot plots.

MAFS.6.SP.2.5 } a. Reporting the number of observations.  
b. Describing the nature of the attribute under investigation, including how it was measured and its units of measurement.

**Curriculum Map** (Revised 6/14/17)

**Grade:** 6

**Subject Area:** Mathematics

**Quarter:** 2

Domain	Cluster	Standards-based Essential Skills/ Concepts to be Targeted & Instructional Strategies	Formative Assessment	Summative Assessment	Text Reference
<b>Expressions &amp; Equations</b> MAFS.6.EE.1.1  MAFS.6.EE.1.2   MAFS.6.EE.1.3  MAFS.6.EE.1.4	Cluster 1	____1.1 Evaluate numerical expressions that include exponents.  ____1.2 Write or interpret simple expressions with variables.  ____1.2 Identify parts of an expression using mathematical terms.  ____1.2 Evaluate expressions for specific values of variables.  ____1.2 Evaluate formulas for specific values.  ____1.3 Write equivalent expressions using the distributive property.  ____1.4 Identify when two expressions are equivalent.			
<b>Expressions &amp; Equations</b> MAFS.6.EE.2.5  MAFS.6.EE.2.6  MAFS.6.EE.2.7  MAFS.6.EE.2.8   MAFS.7.EE.2.3   MAFS.7.EE.2.4	Cluster 2	____2.5 Use substitution to decide if a number is a solution to an equation.  ____2.6 Use variables and expressions to represent situations.  ____2.7 Write equations of the form $x + p = q$ to solve problems.  ____2.7 Write equations of the form $px = q$ to solve problems.  ____2.8 Write or interpret inequalities $x > c$ or $x < c$ .  ____2.8 Represent inequalities on number line diagrams.   ____7.2.3 Use operations with whole numbers, fractions, and decimals to solve multi-step problems.  ____7.2.4 Solve linear equations of form $px + q = r$ and $p(x + q) = r$ .			

		<p>___7.2.4 Write linear equations to solve word problems.</p> <p>___7.2.4 Write and solve linear inequalities for situations.</p>			
<p><b>Expressions &amp; Equations</b></p> <p>MAFS.6.EE.3.9</p>	Cluster 3	<p>___3.9 Use two variables to represent two related quantities.</p> <p>___3.9 Graph ordered pairs of related quantities.</p> <p>___3.9 Write equations to describe related variables.</p>			

**Curriculum Map** (Revised 6/14/17)

**Grade:** 6

**Subject Area:** Mathematics

**Quarter:** 3

Strand/ Domain	Cluster	Standards-based Essential Skills/ Concepts to be Targeted & Instructional Strategies	Formative Assessment	Summative Assessment	Text Reference
<p><b>Geometry</b></p> <p>MAFS.7.G.2.4</p> <p>MAFS.7.G.2.5</p> <p>MAFS.6.G.1.1</p> <p>MAFS.6.G.1.2</p> <p>MAFS.6.G.1.4</p>	<p>Cluster 1</p>	<p>___7.2.4 Recognize relationships between parts of a circle.</p> <p>___7.2.4 Apply formulas for circumference and area of circles.</p> <p>___7.2.5 Solve equations to find supplementary, complementary, vertical, and adjacent angles.</p> <p>___1.1 Find areas of triangles.</p> <p>___1.1 Decompose and compose shapes into triangles and rectangles.</p> <p>___1.1 Find areas of polygons.</p> <p>___1.2 Use cubes to find volumes of prisms with fractional edge lengths.</p> <p>___1.2 Multiply to find volumes of prisms with fractional edge lengths.</p> <p>___1.4 Represent 3-dimensional figures as nets.</p>			
<p><b>Ratios &amp; Proportional Relationships</b></p> <p>MAFS.6.RP.1.1</p> <p>MAFS.6.RP.1.2</p> <p>MAFS.6.RP.1.3</p>	<p>Cluster 1</p>	<p>___1.1 Write and interpret ratios.</p> <p>___1.2 Find unit rates related to ratios.</p> <p>___1.3 Write equivalent ratios, including ratio tables.</p> <p>___1.3 Use ratios to convert measurements.</p> <p>___1.3 Plot pairs of ratios on the coordinate plane.</p> <p>___1.3 Solve unit rate problems such as unit pricing.</p>			

MAFS.7.RP.1.2		<p>___ 1.3 Write a fraction or ratio as a percent.</p> <p>___ 1.3 Find a number given the part and the percent.</p> <p>___ 1.3 Find a percent of a number.</p> <p>___ 7.1.2 Find the missing value in a proportion.</p> <p>___ 7.1.2 Identify unit rates from tables, diagrams, or graphs.</p>			
MAFS.7.RP.1.3		<p>___ 7.1.3 Use percent to solve simple interest and tax problems.</p> <p>___ 7.1.3 Use percent to solve markup and markdown problems.</p> <p>___ 7.1.3 Use percent to solve problems about tips, commissions, and fees.</p> <p>___ 7.1.3 Solve problems about percent increase or decrease.</p>			

**Curriculum Map** (Revised 6/14/17)

**Grade: 6**

**Subject Area: Mathematics**

**Quarter: 4**

Strand/Domain	Cluster	Standards-Based Essential Skills/Concepts to be Targeted & Instructional Strategies	Formative Assessment	Summative Assessment	Text Reference
<b>Statistics &amp; Probability</b>  MAFS.6.SP.2.4	Cluster 2	____2.4 Display and describe data on box plots. ____2.4 Display and describe data on histograms.	[Green Cell]	[Light Blue Cell]	[Light Orange Cell]
<b>Statistics &amp; Probability</b>  MAFS.6.SP.2.5	Cluster 2	____2.5 Find quartiles and interquartile range. ____2.5 Find the mean absolute deviation of a data set.		[Light Blue Cell]	[Light Orange Cell]
<b>Statistics &amp; Probability</b>  MAFS.7.SP.3.5  MAFS.7.SP.3.6  MAFS.7.SP.3.7  MAFS.7.SP.3.8	Cluster 3	____7.3.5 Compare probabilities and relate to likelihoods of events. ____7.3.5 Calculate simple probabilities based on equally-likely outcomes. ____7.3.6 Use relative frequency of outcomes to approximate probability. ____7.3.7 Use a model to determine probability of events. ____7.3.7 Make predictions based on relative frequency, and compare results to predictions. ____7.3.8 Calculate probabilities of compound events. ____7.3.8 Create an organized list, table, or tree diagram for a compound event.	[Green Cell]	[Light Blue Cell]	[Light Orange Cell]