

Framework

6 th Grade AC Mathematics Teaching & Learning Framework							
Quarter 1		Quarter 2		Quarter 3		Quarter 4	
Unit 1 5 weeks	Unit 2 4 weeks	Unit 3 4 weeks	Unit 4 5 weeks	Unit 5 5 weeks	Unit 6 4 weeks	Unit 7 3 weeks	Unit 8 6 weeks
Number System Fluency	Rate, Ratio & Proportional Reasoning	Expressions	1-Step Equations & Inequalities	Area & Volume	Statistics	Rational Explorations	Operations with Rational Numbers and Review
<p>MGSE6.NS.1 (Division of fractions)</p> <p>MGSE6.NS.2 (Divide multi-digit numbers)</p> <p>MGSE6.NS.3 (Fluently compute multi-digit decimals)</p> <p>MGSE6.NS.4 (GCF & LCM)</p>	<p>MGSE6.RP.1 (Understand ratio & rate)</p> <p>MGSE6.RP.2 (Unit rates)</p> <p>MGSE6.RP.3 (Solve real-world problems with ratio & rate)</p> <p>MGSE6.RP.3a (Equivalent ratios with tables)</p> <p>MGSE6.RP.3b (Solve unit rate problems)</p> <p>MGSE6.RP.3c (Percent of a quantity)</p> <p>MGSE6.RP.3d (Convert measurements)</p>	<p>MGSE6.EE.1 (Expressions with whole number exponents)</p> <p>MGSE6.EE.2 (Expressions with variables)</p> <p>MGSE6.EE.2a (Expressions with numbers & variables)</p> <p>MGSE6.EE.2b (Identify parts of an expression)</p> <p>MGSE6.EE.2c (Order of operations & substitution)</p> <p>MGSE6.EE.3 (Equivalent expressions)</p> <p>MGSE6.EE.4 (Identify equivalent expressions)</p> <p>MGSE6.NS.4 (GCF & LCM)</p>	<p>MGSE6.EE.5 (Understand solving-true statements)</p> <p>MGSE6.EE.6 (Using variables)</p> <p>MGSE6.EE.7 (Solve by writing equations)</p> <p>MGSE6.EE.8 (Write inequalities)</p> <p>MGSE6.EE.9 (Dependent & independent variables)</p> <p>MGSE6.RP.3 (Solve real-world problems with ratio & rate)</p> <p>MGSE6.RP.3a (Equivalent ratios with tables)</p> <p>MGSE6.RP.3b (Solve unit rate problems)</p> <p>MGSE6.RP.3c (Percent of a quantity)</p> <p>MGSE6.RP.3d (Convert measurements)</p>	<p>MGSE6.G.1 (Area of triangles, quadrilaterals & polygons)</p> <p>MGSE6.G.2 (Volume of rectangular prisms with fractional edges)</p> <p>MGSE6.G.4 (3D nets & Surface Area with faces of rectangles and triangles)</p>	<p>MGSE6.SP.1 (Statistical questions)</p> <p>MGSE6.SP.2 (Distribution)</p> <p>MGSE6.SP.3 (Measures of center & variation)</p> <p>MGSE6.SP.4 (Dot plots, histograms and box plots)</p> <p>MGSE6.SP.5 (Summarize numerical data)</p>	<p>MGSE6.NS.5 (Positive/negatives)</p> <p>MGSE6.NS.6 (Rationals on a number line)</p> <p>MGSE6.NS.6a (Opposites)</p> <p>MGSE6.NS.6b (Coordinate plane)</p> <p>MGSE6.NS.6c (Number lines)</p> <p>MGSE6.NS.7 (Order & absolute value)</p> <p>MGSE6.NS.7a (Inequality)</p> <p>MGSE6.NS.7b (Order)</p> <p>MGSE6.NS.7c (Absolute value)</p> <p>MGSE6.NS.7d (Order & absolute value)</p> <p>MGSE6.NS.8 (Distances on a coordinate plane)</p> <p>MGSE6.G.3 (Polygons in the coordinate plane)</p>	<p>MGSE7.NS.1 (Add & subtract rationals)</p> <p>MGSE7.NS.1a (Additive inverses)</p> <p>MGSE7.NS.1b ($p+q$ as a distance)</p> <p>MGSE7.NS.1c (subtracting rationals)</p> <p>MGSE7.NS.1d (Properties with rationals)</p> <p>MGSE7.NS.2 (Multiply & divide rationals)</p> <p>MGSE7.NS.2a (Distributive property)</p> <p>MGSE7.NS.2b (Dividing rationals)</p> <p>MGSE7.NS.2c (Properties with rationals)</p> <p>MGSE7.NS.2d (Convert a rational to a decimal)</p> <p>MGSE7.NS.2d (Solve real-world problems)</p> <p>Review: All standards by differentiating for student needs</p>
<p>These units were written to build upon concepts from prior units, so later units contain tasks that depend upon the concepts addressed in earlier units.</p> <p>All units will include the Mathematical Practices and indicate skills to maintain</p>							

NOTE: Mathematical standards are interwoven and should be addressed throughout the year in as many different units and tasks as possible in order to stress the natural connections that exist among mathematical topics.

Grades 6-8 Key: NS = The Number System, RP = Ratios and Proportional Relationships, EE = Expressions and Equations, G = Geometry, SP = Statistics and Probability.