

SMMUSD MATH 6 CURRICULUM GUIDE

SEMESTER 1				SEMESTER 2		
Unit 1 2 weeks Aug-Sept <i>Prime Time</i> See overview and detailed guides for order	Unit 2 5 weeks Sept-Oct <i>Comparing Bits & Pieces</i>	Unit 3 4.5 weeks Oct-Nov <i>Let's be Rational</i>	Unit 4 4.5 weeks Nov-Dec <i>Covering & Surrounding</i>	Unit 5 3 weeks Jan Covering & Surrounding Investigate 4 <i>Decimal Ops</i>	Unit 6 5 weeks Feb-March <i>Variables & Patterns</i>	Unit 7 4 weeks April-May <i>Data About Us</i>
Stanford: YouCubed Week of Inspirational Math to support setting class norms, routines, and Mathematical Growth Mindset! www.youcubed.org Properties of numbers—used to solve problems	Ratios and Equivalence used to solve problems Begin Data work using IM and GPAs	Operations with Fractions	Measurement and development of formulas	Decimals as fractions and Percent knowledge	Symbolic expressions and Variable equations	Collect, describe, and analyze data
6.NS.4 6.EE.1 6.EE.2 6.NS.2 6.NS.3	6.RP.1 6.RP.2 6.RP.3 a, b, c 6.NS.4 6.NS.5 6.NS.6 a, c 6.NS.7 a, b, c, d	6.NS.1 6.NS.3 6.NS.4 6.NS.6 6.EE.2 a, b, c 6.EE.3 6.EE.6 6.EE.7	6.NS.8 6.EE.2 a, c 6.EE.3 6.EE.4 6.EE.6 6.EE.9 6.G.1 6.G.2 6.G.3 6.G.4 *Unit Project: design an aquarium or lunchbox 6.NS.6	6.NS.1 6.NS.2 6.NS.3 6.EE.2 6.EE.3 6.EE.5 6.EE.6 6.EE.7 6.RP.1 6.RP.2 6.RP.3 c	6.NS.6 b, c 6.NS.8 6.EE.1 6.EE.2 a, b, c 6.EE.3 6.EE.4 6.EE.5 6.EE.6 6.EE.7 6.EE.8 6.EE.9 6.RP.1 6.RP.2 6.RP.3 a, b, d *Pi Day Project to graph diameter and circumference*	6.NS.6 6.NS.7 6.EE.2 a 6.RP.3 b 6.SP.1 6.SP.2 6.SP.3 6.SP.4 6.SP.5 a, b, c, d



Domains: RP: Ratios and Proportional Relationships; NS: The Number System; EE: Expressions and Equations; SP: Statistics and Probability; G = Geometry

For Grade Six Mathematics, instructional time should focus on four Critical Areas:

- (1) Connecting ratio and rate to whole number multiplication and division, and using concepts of ratio and rate to solve problems.**
- (2) Completing understanding of division of fractions and extending the notion of number to the system of rational numbers, which includes negative numbers.**
- (3) Writing, interpreting, and using expressions and equations**
- (4) Developing understanding of statistical thinking.**

Mathematical Practices 1-3-6 = connections to EL/ELD and NGSS standards: See Overview Curriculum Guide for details of grade expectations

MP1: Make sense of problems and persevere in solving them

MP2: Reason abstractly and quantitatively

MP3: Construct viable arguments and critique the reasoning of others

MP4: Model with mathematics

MP5: Use appropriate tools

MP6: Attend to precision

MP7: Look for and make use of structure

MP8: Look for and express regularity in repeated reasoning



SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT