


SMMUSD GRADE THREE MATHEMATICS CURRICULUM GUIDE

TRIMESTER 1		TRIMESTER 2		TRIMESTER 3									
Unit 1 Multiplication and Division Relationships 7 weeks, 35 days Aug-Sept Inspirational Math Week from Stanford's YouCubed https://www.youcubed.org/week-inspirational-math/	Unit 2 Multiplication and Division Properties 8 weeks, 40 days Sept-Dec Work on Major Clusters early in 3 rd grade	Unit 3 Place Value, In Relation to Addition and Subtraction Use of Additional Clusters 3 weeks, 15 days Dec-Jan	Unit 4 Unit Fractions, Equivalent Fractions 5 weeks, 25 days Jan-Feb	Unit 5 Geometry – Shapes and Fractions, Understand Perimeter/Area 3 weeks, 15 days Feb-March	Unit 6 Measurement and Data 2 weeks 10 days April-May								
<ul style="list-style-type: none"> • Multiply 1-digit whole number by multiples of 10 • Interpret products of whole numbers • Interpret whole number quotients • Solve word problems - Multiplication and Division within 100 • Determine unknown in multiplication and division <p>My Math: Ch 4, 5, 6 –(not lesson 6.6)</p>	<ul style="list-style-type: none"> • Represent and solve word problems involving multiplication and division • Fluently multiply within 100 using relationship between multiplication and division or properties of operations <p>My Math: Ch 7 (not lesson 7.6), Ch 8, 9,</p>	<ul style="list-style-type: none"> • Use Place Value understanding to round whole numbers to nearest 10 or 100 • Fluently add or subtract within 1000 using strategy and algorithms based on place value, properties of operations, and/or relationships between +/- <p>My Math: Ch 1, 2, 3 (not lesson 3.3)</p>  <p><small>SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT</small></p>	<ul style="list-style-type: none"> • Develop understanding of fractions as a number • Understand and represent fractions on a number line • Explain equivalent fractions and compare fractions by reasoning about their size <p>My Math: Ch. 10 (not lesson 10.4), ENY Mod 5, GA Unit 5</p>	<ul style="list-style-type: none"> • Understand shapes and their attributes for categorization • Partition shapes into equal areas • Understand that perimeter is an attribute of a plane shape • Relate area to operations of multiplication and addition <p>My Math: Ch 13, 14</p>	<ul style="list-style-type: none"> • Solve problems involving measurement • Solve problems using liquid volume and masses of objects • Tell and write time to the nearest minute • Solve word problems involving intervals of time • Solve word problems related to scaled picture and bar graphs <p>My Math: Ch 11, Ch12</p>								
<p>Structures to Support CA Content Standards/CGI/Problem Solving: Real World Math, Problem Analysis “Think Time”, Partner Collaboration, Productive Struggle, Whole Group Student Share</p> <p align="center">Ongoing concepts through CGI math wall, problem of the day, spiral review, and across content areas</p> <p align="center">Anchor all units with Fractions and Measurement:</p> <table border="0" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:25%;">Number lines</td> <td style="width:25%;">Place Value / Number Sense</td> <td style="width:25%;">Rounding/Estimation</td> <td style="width:25%;"></td> </tr> <tr> <td>Measurement (tell time, lapsed time, linear measures)</td> <td>Addition, Subtraction, Multiplication, and Division</td> <td>Data Collection</td> <td></td> </tr> </table>						Number lines	Place Value / Number Sense	Rounding/Estimation		Measurement (tell time, lapsed time, linear measures)	Addition, Subtraction, Multiplication, and Division	Data Collection	
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3.NBT.3 3.OA.1 3.OA.2 3.OA.3 3.OA.4	3.OA.4 3.OA.5 3.OA.6 3.OA.7 3.MD.5 a. b.	3.NBT.1 3.NBT.2	3.NF.1 3.NF.2 a. b 3.NF.3 a. b. c. d <i>(Fractions with denominators: 2, 3, 4, 6, 8)</i>	3.G.1 3.NF.2 a. b. c. d <i>(Fractions with denominators: 2, 3, 4, 6, 8)</i> 3.MD.5 a.b. 3.MD.7 a. b. c. d.	3.G.2 3.NF.3 a. b. 3.OA.4 3.OA.6, 3.OA.7 3.NF.2 a. b. 3.NF.3.a.b.c. 3.MD.1, 2, 3, 4 3.MD.5 a. b.								
Suggested Performance Assessment (PA): x/\div and area array (NYC Isabella's Garden?) Interim Bank Assessment: FIAB x/\div Interpret, Represent and Solve in Oct			End of January PA: Fractions IAB: Fractions in Feb	End of March PA: Measurement (NYC City Farmers?) End of year cumulative assessment									

Domains: OA: Operations & Algebraic Thinking; MD: Measurement & Data; NBT: Numbers & Operations in Base Ten; NF = Numbers and Operations—Fractions G: Geometry

Standards for Mathematical Practices:

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

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

For Grade Three Mathematics, instructional time should focus on four critical areas:

- (1) Developing understanding of multiplication and division and strategies for multiplication and division within 100.**
- (2) Developing understanding of fractions, especially unit fractions (fractions with numerator 1).**
- (3) Developing understanding of the structure of rectangular arrays and of area.**
- (4) Describing and analyzing two-dimensional shapes.**



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