SMMUSD GRADE THREE MATHEMATICS CURRICULUM GUIDE - Math Milestones					
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 3rd 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
● 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 My Math: Ch 4, 5, 6 –(not lesson 6.6) ● **Administer CGI Assessment/Task** **PADLET** **Math Milestones**	● Represent and solve word problems involving multiplication and division ● Fluently multiply within 100 using relationship between multiplication and division or properties of operations My Math: Ch 7 (not lesson 7.6), Ch 8, 9, OpenUp Resources **Units 1 & 4 = trimester 1**	● 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 +/- My Math: Ch 1, 2, 3 (not lesson 3.3)	● 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 My Math: Ch. 10 (not lesson 10.4), ENY Mod 5, GA Unit 5 OpenUp Resources **Units 3 & 5 = Trimester 2**	● 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 My Math: Ch 13, 14 OpenUp Resources **Units 2, 6, 7, 8 = Trimester 3**	● 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 My Math: Ch 11, Ch12

Structures to Support CA Content Standards/CGI/Problem Solving: Real World Math, Problem Analysis "Think Time", Partner Collaboration, Productive Struggle, Whole Group Student Share

<u>**Ongoing concepts through CGI math wall, problem of the day, spiral review, and across content areas**</u>

<u>**Anchor all units with Fractions and Measurement:**</u>

Number lines	Place Value / Number Sense	Rounding/Estimation
Measurement (tell time, lapsed time, linear measures)	Addition, Subtraction, Multiplication, and Division	Data Collection

| 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 *(Fractions with denominators: 2, 3, 4, 6, 8)* | 3.G.1   3.G.2 3.NF.2 a. b.   3.NF.3 a. b. c. d *(Fractions with denominators: 2, 3, 4, 6, 8)* 3.MD.5 a.b.   3.MD.6 3.MD.7 a. b. c. d.   3.MD.8 | 3.OA.4   3.OA.5 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/÷ and area array (NYC Isabella's Garden?) Interim Bank Assessment: FIAB x/÷ 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. Math Milestones

For Grade Three Mathematics, instructional time should focus on four <u>critical areas:</u>

(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.

Detailed GVC Guide   **Think Smart for Smarter Balance—MyMath assessments   Spanish Versions**

SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT