


SMMUSD KINDERGARTEN MATHEMATICS CURRICULUM GUIDE - Math Milestones

Trimester 1: August-October	Trimester 2: November-January	Trimester 3: February-May
<p align="center"><u>Critical Concepts:</u></p> <ul style="list-style-type: none"> Counting Collections Word Problems (Separate – Result Unknown, Join – Result Unknown, Partitive Division/Fair Share) Name, recognize, count, and write numbers 0 to 20 Compare numbers to 10 Ordinal numbers to 10 <p align="center"><u>Supporting Concepts:</u></p> <ul style="list-style-type: none"> Addition Subtraction Classify/Sort Objects Position 2D Shapes <p align="center"><u>OpenUp Resources</u> Units 1, 2, and 3</p>	<p align="center"><u>Critical Concepts:</u></p> <ul style="list-style-type: none"> Counting Collections Word Problems (Previous Problem Types PLUS Part-Part-Whole: Whole Unknown) Count to 100 by ones and tens Compose and Decompose to 10 Addition Subtraction <p align="center"><u>Supporting Concepts:</u></p> <ul style="list-style-type: none"> Classify/Sort Objects Position 2D Shapes Length/Height/Weight <p align="center"><u>OpenUp Resources</u> Units 4 and 5</p>	<p align="center"><u>Critical Concepts:</u></p> <ul style="list-style-type: none"> Word Problems (Previous Problem Types PLUS Multiplication & Measurement Division) Compose and Decompose 11 to 19 Measurement (Classify/Sort, Length/Height/Weight) Geometry (Position, 2D and 3D Shapes) <p align="center"><u>Supporting Concepts:</u></p> <ul style="list-style-type: none"> Counting Collections Count to 100 Addition Subtraction  <p align="center"><u>OpenUp Resources</u> Units 6, 7, and 8</p>
<p>Youcubed Week of Inspirational Math https://www.youcubed.org/week-inspirational-math/</p> <p><u>Counting and Cardinality:</u> MyMath Ch 1: Numbers 0 to 5 MyMath Ch 2: Numbers to 10 MyMath Ch 3: Numbers Beyond 10 Counting Collections (Simple recording)</p> <p><u>Measurement and Data:</u> Counting Collections (Classify/Sort)</p> <p><u>Geometry:</u> Mentor Texts/Read Alouds (Position, 2D Shapes) Counting Collections (2D Shapes)</p> <p><u>Operations/Algebraic Thinking:</u> Counting Collections (Addition, Subtraction) Word Problems (Addition, Subtraction)</p> <p align="center"><u>Math Milestones</u> <u>PADLET</u> <u>Administer CGI Assessment/Task</u></p>	<p><u>Counting and Cardinality:</u> Counting Collections (Recording more than one way, Grouping)</p> <p><u>Operations/Algebraic Thinking:</u> MyMath Chapter 4: Compose and Decompose Numbers to 10 MyMath Chapter 5: Addition MyMath Chapter 6: Subtraction Counting Collections (Addition, Subtraction) Word Problems (Addition, Subtraction, Algebraic/Relational Thinking-Decomposing)</p> <p><u>Measurement and Data:</u> Counting Collections (Classify/Sort)</p> <p><u>Geometry:</u> Mentor Texts/Read Alouds (Position, 2D Shapes, Length/Height/Weight) Counting Collections (2D Shapes)</p>	<p><u>Numbers and Operations in Base Ten:</u> MyMath Chapter 7: Compose and Decompose Numbers 11 to 19 Word Problems</p> <p><u>Measurement and Data:</u> MyMath Ch 8: Measurement MyMath Ch 9: Classify Objects Mentor Texts/Read Alouds</p> <p><u>Geometry:</u> MyMath Ch 10: Position MyMath Ch 11: 2D Shapes MyMath Ch 12: 3D Shapes Mentor Texts/Read Alouds</p> <p><u>Operations/Algebraic Thinking:</u> Word Problems (Multiplication & Measurement Division)</p>
<p>K.CC.1 K.CC.2 K.CC.3 K.CC.4.a. b. c. K.CC.5 K.CC.6 K.CC.7</p>	<p>K.OA.1 K.OA.2 K.OA.3 K.OA.4 K.OA.5 K.CC.1-5</p>	<p>K.MD.1 K.MD.2 K.MD.3 K.NBT.1 K.G.1 K.G.2 K.G.3 K.G.4 K.G.5 K.G.6</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
Domains: CC: Counting and Cardinality; OA: Operations & Algebraic Thinking; MD: Measurement & Data; NBT: Numbers & Operations in Base Ten; G: Geometry

For Kindergarten Mathematics, instructional time should focus on two **critical areas**:

- (1) Representing, relating, and operating on whole numbers, initially with sets of objects.
- (2) Describing shapes and space.

More learning time in kindergarten should be devoted to numbers than to other topics.

[Math Milestones](#)

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

[Think Smart for Smarter Balance](#)–MyMath assessments [Spanish Versions](#)

[Detailed GVC Guide](#)

