Math Curriculum Map: 2nd Grade

Common Core Performance Standards

Key Areas of Focus for Mathematics

Trimester 1	Trimester 2	Trimester 3
Units: 1,2,3,4,5,10	**Units: 3,4,6,9,10**	**Units: 6, 7, 8, 11**
Computation Demonstrate automaticity with grade 1 addition and subtraction facts, and develop strategies for remaining facts. **Operations and Algebraic Thinking** Represent and solve problems involving addition and subtraction, including one and two-step word problems of all three types (Result Unknown, Change Unknown, and Start Unknown). Identify and communicate understanding of odd and even numbers. **Number and Operations in Base Ten** Understand place value. **Measurement and Data** Tell and write time to five minutes (a.m. and p.m.). Represent and interpret data. **Geometry** Recognize and draw shapes by specific attributes.	**Computation** Demonstrate automaticity with addition and subtraction facts. **Operations and Algebraic Thinking** Fluently add and subtract within 20 using mental strategies. **Number and Operations in Base Ten** Use place value understanding and properties of operations to add and subtract: • Fluently add and subtract within 100. • Add up to four two-digit numbers. • Mentally add and subtract 10 or 100 from numbers (no higher than 1000). **Measurement and Data** Measure and estimate lengths in standard units. Solve problems involving dollar bills and coins. **Geometry** Partition rectangles into rows and columns of same sized-squares; determine total number of squares.	**Computation** Demonstrate automaticity with addition and subtraction facts. **Operations and Algebraic Thinking** Find total number of objects in rectangular array; write an equation using equal addends. **Number and Operations in Base Ten** Use place value understanding and properties of operations to add and subtract within 1,000. Explain why addition and subtraction strategies work, using place value and properties of operations. **Measurement and Data** Measure to determine difference in length. Relate addition and subtraction to length. Generate measurement data, and create line plot to show measurements (whole units). **Geometry** Partition circles, rectangles and squares into two, three, and four equal shares; use fraction vocabulary to describe shares. Recognize that equal shares of identical wholes do not need to have same shape.

Standards Key

OA=Operations and Algebraic Thinking, **NBT**=Number and Operations in Base Ten, **MD**=Measurement and Data, **G**=Geometry
CA=Computation Addition Facts, **CS**=Computation Subtraction Facts

Mastery: 2.CA, 2.CS (grade 1 facts) 2.OA.1,3 2.NBT.1,2,3,4 2.MD.7,10 2.G1	Mastery: 2.CA, 2.CS 2.OA.2 2.NBT,5,6,8 2.MD.1,2,3,8 2G.2	Mastery: 2.CA, 2.CS 2.OA.4 2.NBT.7,9 2.MD.4,5,6,9 2.G.3

Standards for Mathematical Practice

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

Math Claims	
Claim 1: Concepts and Procedures Claim 2: Problem Solving	Claim 3: Communicating Reasoning Claim 4: Modeling and Data Analysis