

Second Grade Math Year at a Glance- Blueprint 2020-2021

	Unit	Fact Fluency/Kim Sutton
Quarter 1	Establish Math Routines First 20 Day Math Routines (Days 1-2)	Set up the classroom number line & Daily 3 routines.
	Place Value Concepts up to 3 Digits (Part 1 of 2) Continue First 20 Days Math Routines (Days 3-17) <ul style="list-style-type: none"> • Represent using standard, word, and expanded form • 10 more/less and 100 more/less • Compare and order • Compose and decompose using concrete and pictorial models • Locate the position of a number on a number line • Name a number that corresponds to a point on a number line 	8/19-8/30: Counting Strategies I 9/3-9/16: Counting Strategies II 9/17-9/30: Counting Strategies III 10/1-10/11: Counting Strategies IV
	Addition/Subtraction Strategies Using 2-and 3-Digit Numbers w/o Regrouping within 1,000 - No Algorithm (Part 1 of 3) <ul style="list-style-type: none"> • Use strategies including mental math, place value, number line and properties of operations • Problem Solving with and without unknowns Continue First 20 Days Math Routines (Days 18-20)	
	Money: Determine the Value of a Collection of Coins up to \$1.00 <ul style="list-style-type: none"> • Use dollar sign, cent symbol, and decimal point 	
Quarter 2	Place Value Numbers up to 1,200 (Part 2 of 2) <ul style="list-style-type: none"> • Use standard, word, and expanded form • 10 more/less and 100 more/less • Compare and order • Composes and decompose using concrete and pictorial models • Locate the position of a number on a number line • Name a number that corresponds to a point on a number line 	
	Addition/Subtraction Strategies w/Regrouping Strategies- No Algorithm (Part 2 of 3) <ul style="list-style-type: none"> • Use strategies including mental math, place value, number line and properties of operations • Problem Solving with and without unknowns 	10/12-10/15: Counting Strategies IV 10/16-10/29: Even/Odd Addition Strategies 10/30-11/12: Plus/Minus Zero Strategies 11/13-12/3: Plus/Minus One Strategies 12/4-12/17: Addition Combinations to Make 10 Strategies
	Data Analysis: Bar and Pictographs <ul style="list-style-type: none"> • Understand bar and pictographs • Organize data up to 4 categories using bar and pictographs • Draw conclusions and make predictions from graphs • Write and solve 1-step word problems with add/subt. using bar and pictographs 	
	Geometry <ul style="list-style-type: none"> • Create 2D shapes based on attributes • Compose and decompose 2D shapes and 3D solids using given properties or attributes 	

	<ul style="list-style-type: none"> Classify and sort polygons and 3D solids using geometric language 	
Quarter 3	<p>Measurement (Length and Area)</p> <ul style="list-style-type: none"> Use standard units to measure objects using measuring tools Solve problems involving length, including estimation Use concrete models to find the area of a rectangle 	<p>1/7-1/21: Doubling Strategies 1/22-2/4: Double Plus/Minus One Strategies 2/5-2/20: Adding Ten Strategies 2/21-3/5: Adding/Subtracting Nine Strategies 3/6-3/13: Inverse Operational Strategies</p>
	<p>Measurement (Time)</p> <ul style="list-style-type: none"> Read and write time to the nearest minute using digital and analog clocks Distinguish between a.m. and p.m. 	
	<p>Fractions</p> <ul style="list-style-type: none"> Partition objects into equal parts (halves, fourths, eighths) & identify examples/non-examples Use concrete models to count fractional parts beyond a whole Recognize how many parts it takes to make a whole More fractional parts = smaller parts; fewer fractional parts = larger parts 	
	<p>Addition/Subtraction Strategies-Including Algorithm (Part 3 of 3)</p> <ul style="list-style-type: none"> Use strategies including mental math, place value, number line and properties of operations Introduce algorithm Problem Solving with and without unknowns 	
Quarter 4	<p>Understanding Multiplication/Division</p> <ul style="list-style-type: none"> Model multiplication and division using concrete objects in contextual situations 	<p>3/23-3/26: Inverse Operational 3/27-4/9: Groups of Two (Skip Counting) Strategies 4/13-4/24: Groups of Five (Skip Counting) Strategies 4/27-5/8: Groups of Ten (Skip Counting) Strategies 5/11-5/21: Revisit Blocks</p>
	<p>Financial Literacy</p> <ul style="list-style-type: none"> Calculate how money saved can accumulate into larger amounts Explain saving as an alternative to spending Deposit vs. Withdrawl Responsible and irresponsible borrowing Benefits and cost of lending Producers and consumers Calculate the cost to produce a simple item 	
	<p>Step up to 3rd grade</p>	