

	<u>CURRICULUM</u> <i>End Product of Learning, "What" You Teach</i>			<u>INSTRUCTION</u> <i>Means to the End Product, "How" You Teach</i>	<u>ASSESSMENT</u> <i>Validation to Revise Curriculum & Instruction</i>
TIME FRAME [By Date/Week/Month]	COMMON CORE STATE STANDARDS	CONTENT: What we want students to "KNOW".	SKILL: What we want students to "DO".	Varied Teaching/Learning Strategies Resources/Comments	Varied Classroom Assessment Strategies
Q1	CC.3.OA.1 CC.3.OA.2 CC.3.OA.3 CC.3.OA.4 CC.3.OA.5 CC.3.OA.6 CC.3.OA.7 CC.3.OA.9 CC.3.MD.5a CC.3.MD.5b CC.3.MD.6 CC.3.MD.7a CC.3.MD.7b CC.3.MD.7c CC.3.MD.7d	Multiply with 5 Multiplication as equal groups Multiplication and arrays The Meaning of Division Multiply and divide with 2 Building fluency with 2s and 5s	Identify and use patterns to multiply with 5 Use multiplication and drawings to represent equal groups situations Use multiplication and drawings to represent array situations and the commutative property Relate division to multiplication with an unknown factor Identify patterns in 2s count bys and multiplications and relate multiplication and division Build fluency with 2s and 5s multiplications and divisions	Math Expressions: Unit 1 Differentiation Cards Math Games and Activities <i>Ipads / Chromebooks</i>	Diagnostic checkups Classwork Quizzes Tests Schoolnet Assessments Participation

Course/Subject: Math		CURRICULUM MAP		Grade: 3	
		Multiply and divide with 10	Explore patterns in 10s count bys, multiplications, and divisions and represent and solve problems involving multiplication and division with 10		
		Multiply and divide with 9	Identify patterns in 9s multiplications and divisions and learn a strategy for quickly multiplying and dividing with 9s		
		Building fluency with 2s, 5s, 9s, and 10s.	Build fluency with 2s, 5s, 9s, and 10s, multiplications and divisions		
		Multiply and divide with 3	Look for patterns in and practice 3s count bys, multiplications, and divisions, and learn a new strategy for finding products for multipliers greater than 5		
		Multiplication and Area	Use the area model for multiplications		
		Multiply and divide with 4	Look for patterns in 4s multiplications and count bys and learn a strategy for finding		

			4s count bys and solving problems involving 4s		
		Use the strategy cards	Develop multiplication and division strategies and use them to solve problems		
		Building fluency with 2s, 3s, 5s, 9s, and 10s	Build fluency with 2s, 3s, 5s, 9s, and 10s multiplications and divisions		
		Multiply and divide with 1 and 0	Use multiplication properties and division rules as strategies to multiply and divide with 1 and 0		
		Solve and create word problems	Identify, solve, and create multiplication and division word problems		
		Play multiplication and division games	Practice with 2s, 3s, 4s, 5s, 9s, and 10s multiplications and divisions		
		Building fluency with 0s, 1s, 2s, 3s, 4s, 5s, 9s, and 10s	Practice multiplications and divisions and solve word problems for 0s, 1s, 2s, 3s, 4s, 5s, 9s, and 10s		

Course/Subject: Math CURRICULUM MAP Grade: 3					
		Focus on mathematical practices	Use the common core content standards and practices in a variety of real world problem solving situations		
Q2	CC.3.OA.1 CC.3.OA.2 CC.3.OA.3 CC.3.OA.4 CC.3.OA.5 CC.3.OA.6 CC.3.OA.7 CC.3.OA.8 CC.3.OA.9 CC.3.MD.1 CC.3.MD.2 CC.3.MD.3 CC.3.MD.4 CC.3.MD.5a CC.3.MD.5b CC.3.MD.7a CC.3.MD.7b CC.3.NBT.2 CC.3.NBT.3	Unit 2 Multiply and divide with 6 Solve area word problems Multiply and divide with 8 Write word problems and equations	Explore patterns in 6 count bys, multiplications, and divisions, and solve multiplication problems Develop strategies for solving real world area problems Explore patterns in 8 count bys, multiplications, and divisions, and solve multiplication problems Write multiplication and division word problems of various	Math Expressions: Unit 2 and Unit 3 Differentiation Cards Math Games and Activities <i>Ipads / Chromebooks</i>	Diagnostic checkups Classwork Quizzes Tests Schoolnet Assessments Participation

Course/Subject: Math		CURRICULUM MAP		Grade: 3	
		Multiply and divide with 7 Square numbers Practice with 6s,7s, and 8s Building fluency with 0s-10s Equations and word problems Write first step questions for two step problems Make sense of two step problems Multiply with multiples of 10	types Explore patterns in 7s count bys, multiplications, and divisions, and solve word problems Understand what a square number is and describe the square number patterns in the multiplication table Practice with 6s,7s, and 8s multiplications and divisions Build fluency with 0s, 1s, 2s, 3s, 4s, 5s, 6s, 7s, 8s, 9s, and 10s multiplications and divisions Represent and solve word problems using the four operations Develop strategies for solving two step word problems Develop strategies for solving two step word problems Use place value and properties to multiply		

Course/Subject: Math		CURRICULUM MAP		Grade: 3	
		one digit numbers by multiples of 10 Play multiplication and division games Use strategies to fluently multiply and divide within 100 and solve two step word problems Building fluency with 0s-10s Build fluency with 0s,1s,2s, 3s,4s, 5s, 6s, 7s, 8s, 9s, and 10s multiplications and divisions Focus on mathematical practices Use the common core content standards and practices in a variety of real world problem solving situations <u>Unit 3</u> Customary units of length Measure length in inches, half inches, and quarter inches with rulers Customary units of volume Use customary units of liquid volume Metric units of volume Use metric units of liquid volume Customary units of weight and metric units of mass Measure and estimate weight and mass			

Course/Subject: Math		CURRICULUM MAP		Grade: 3	
		Solve word problems	Solve word problems involving liquid volumes or masses using addition, subtraction, multiplication and division		
		Tell time	Tell and write time to the minute, quarter hour, half hour, and hour		
		Before and after the hour	Tell and write time before and after the hour to the nearest minute		
		Elapsed time	Find elapsed time		
		Add and subtract time	Solve word problems involving addition and subtraction of time intervals in minutes		
		Solve word problems	Solve word problems involving addition and subtraction of intervals of time		
		Read and create pictographs and bar graphs	Draw scaled pictographs and bar graphs and solve comparison problems using data in pictographs and bar graphs		

Course/Subject: Math CURRICULUM MAP Grade: 3					
		Read and create bar graphs with multi-digit numbers Represent and organize data Use graphs to solve time and measurement problems Focus on mathematical practices	Analyze data to create horizontal and vertical bar graphs Construct and analyze frequency tables and line plots Solve word problems using data in line plots and scaled bar graphs Use the common core content standards and practices in a variety of real world problem solving situations		
Q3	CC.3.NBT.1 CC.3.NBT.2 CC.3.OA.3 CC.3.OA.4 CC.3.OA.8 CC.3.OA.9	Make place value drawings Build numbers Place value in word problems Practice with place value	Make and interpret place value drawings Identify the value of a digit Use an understanding of place value to group and ungroup multi-digit numbers and solve word problems Identify numbers	Math Expressions: Units 4 and 5 Differentiation Cards Math Games and Activities <i>Ipads / Chromebooks</i>	Diagnostic checkups Classwork Quizzes Tests Schoolnet Assessments Participation

Course/Subject: Math					
CURRICULUM MAP					
Grade: 3					
			from scrambled place value names and solve word problems		
		Round to the nearest hundred	Round numbers to the nearest hundred to estimate sums and differences		
		Round to the nearest ten	Round numbers to the nearest ten to estimate sums and differences		
		Explore multi-digit addition	Discuss and apply multi-digit addition methods		
		Discuss addition methods	Apply and discuss multi-digit addition methods with place value alignment		
		The grouping concept of addition	Decide when to group in multi-digit addition		
		Practice addition	Identify and explain errors in addition and solve word problems		
		Group to subtract	Explore methods for subtracting multi-digit numbers		
		Subtract across zeros	Subtract with zeros in the top number		
		Discuss methods of	Subtract using two		

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		subtraction	different methods		
		Relate addition and subtraction	Relate grouping in addition and ungrouping in subtraction		
		Subtraction Practice	Subtraction practice		
		Addition and subtraction practice	Practice and discuss addition and subtraction methods		
		Solve word problems	Solve word problems that involve two or more steps and assess reasonability		
		Focus on mathematical practices	Use the Common Core Standards and Practices in a variety of real world problem solving situations		
		Addition and subtraction situations	Solve addition and subtraction word problems		
		Word problems with unknown addends or unknown factors	Represent and solve word problems with unknown addends and unknown factors		
		Word problems with unknown starts	Solve word problems with unknown starts and write situation and solutions equations for word problems		

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		Comparison problems	Solve comparison word problems		
		Comparison problems with misleading language	Represent and solve comparison word problems with misleading language		
		Word problems with extra, hidden, or not enough information	Represent and solve word problems with extra, hidden, or not enough information		
		Write first step questions for two step problems	Use addition, subtraction, multiplication, and division to solve two step problems		
		Solve two step word problems	Solve word problems requiring two steps		
		Equations with two step word problems	Solve word problems requiring two operations		
		Practice with two step word problems	Solve word problems using two step equations and decide if answers are reasonable		
		Focus on mathematical practices	Use the Common Core Standards and Practices in a variety of real world problem solving situations		

Course/Subject: Math		CURRICULUM MAP		Grade: 3	
Q4	CC.3.G.1 CC.3.G.2 CC.3.MD.5 CC.3.MD.5a CC.3.MD.5b CC.3.MD.6 CC.3.MD.7 CC.3.MD.7a CC.3.MD.7b CC.3.MD.7c CC.3.MD.7d CC.3.MD.8	Triangles	Understand the relationship between angles, triangles, and polygons	Math Expressions: Unit 6	Diagnostic checkups
		Parallelograms, rectangles, squares, and rhombuses	Explore the relationships among parallelograms, rectangles, squares, rhombuses, and trapezoids	Differentiation Cards	Classwork
		Draw quadrilaterals	Draw Quadrilaterals (parallelograms, rectangles, squares, and rhombuses)	Math Games and Activities	Quizzes
		Classify quadrilaterals	Describe the relationships among various types of quadrilaterals and draw quadrilaterals that match a description	<i>Ipads / Chromebooks</i>	Tests
		Perimeter and area	Develop concepts of perimeter and area		Schoolnet Assessments
		Side lengths with area and perimeter	Use side lengths in area and perimeter calculations and problems		Participation

Course/Subject: Math					
CURRICULUM MAP					
Grade: 3					
		Compare areas and perimeters	Recognize that rectangles with the same perimeter can have different areas, and rectangles with the same area can have different perimeters		
		Area of rectilinear figures	Find the area of figures by decomposing them into rectangles		
		Solve perimeter and area problems	Use concepts of perimeter and area to solve real world problems		
		Tangram shapes and area	Use tangram shapes to find areas of figures		
		Focus on mathematical practices	Use the common core content standards and practices in a variety of real world problem solving situations		
	CC.3.NF.1 CC.3.NF.2a CC.3.NF.2b CC.3.NF.3a CC.3.NF.3b	Understanding fractions	Develop a conceptual understanding of unit fractions and how they are used to build other fractions.	Math Expressions: Unit 7 Differentiation Cards Math Games and Activities	Diagnostic checkups Classwork Quizzes

Course/Subject: Math		CURRICULUM MAP		Grade: 3	
	CC.3.NF.3c CC.3.NF.3d CC.3.G.2	Model fractions Locate fractions on the number line Compare unit fractions Compare fractions Introduce equivalence Equivalent fractions Problem solving with fractions Focus on mathematical practices	Use fraction bars and number lines to represent fractions. Locate fractions on the number line Use fraction bars and number lines to compare unit fractions Use fraction circles to develop understanding of comparing fractions with the same denominator or with the same numerator Develop understanding of equivalent fractions Find two or more equivalent fractions using number lines Use fraction concepts to solve real world problems Use the common core content standards and practices in a variety of real world problem solving situations	<i>Ipads / Chromebooks</i>	Tests Schoolnet Assessments Participation