

Math 4 Curriculum Mapping

Grade 4 Content Math Teacher(s) Kathy O'Donnell

	Time period (month? Weeks? Quarter?)	Focus Standard	Assessment	Essential Question	Resources	Vocabulary	Differentiation
<p>Place Value</p> <ul style="list-style-type: none"> Place value Reading and Writing Numbers Comparing Numbers Rounding Numbers 	3 weeks	4 NBT 2 4 NBT 3 4 NBT 4	Check My Progress End of Chapter Assessment Daily Exit Tickets Oral Assessment	How do we use place value to show an understanding of multi-digit numbers through 1,000,000?	My Math textbook Place Value charts/ mats Place Value Discs Unit Cubes	Place Value Value Multi-digit Expanded Form Standard Form Word Form Greater Than Less Than Equal To Round	
<p>Add and Subtract Whole Numbers</p> <ul style="list-style-type: none"> Adding and Subtracting Multiply and Divide Multiply by one digit Numbers Multiply by two digit numbers Dividing Estimation 	3 weeks	4 OA 1 4 OA 2 4 NBT 1	Check My Progress Quizzes End of Chapter Assessment Daily Exit Tickets Oral Assessment	How do we use place value and math operations to solve multi digit problems?	My Math textbook Place Value charts/ mats Manipulatives	Addend Subtrahend Minuend Sum Difference Multi-digit Factors Product Dividend Divisor Quotient Remainder Estimate Compatible Numbers	
<p>Fractions</p> <ul style="list-style-type: none"> Equivalent fractions 	3 weeks	4 NF 1 4 NF 2	Check My Progress	How do we use our knowledge of	My Math Textbook	Equivalent Numerator Denominator	

Math 4 Curriculum Mapping

<ul style="list-style-type: none"> Comparing fractions 			<p>Quizzes</p> <p>End of Chapter Assessment</p> <p>Daily Exit Tickets</p> <p>Oral Assessment</p>	fractions to compare, order, and share equivalence?	<p>Fraction Tiles</p> <p>Fraction Models</p> <p>Fraction Number lines</p>	<p>Fraction Least Common Denominator (LCD)</p>	
<p>Multiply One and Two Digit Numbers</p> <ul style="list-style-type: none"> Factors Multiples Prime and Composite Variables 	3 weeks	<p>4 OA</p> <p>4 NBT 5</p>	<p>Check My Progress</p> <p>Quizzes</p> <p>End of Chapter Assessment</p> <p>Daily Exit Tickets</p> <p>Oral Assessment</p>				
<p>Geometry</p> <ul style="list-style-type: none"> Points, Lines, Line Segments Rays and Angles Perpendicular and Parallel 	2 weeks	<p>4 G 1</p> <p>4 G 2</p> <p>4 G 3</p>	<p>Check My Progress</p> <p>Quizzes</p> <p>End of Chapter Assessment</p> <p>Daily Exit Tickets</p> <p>Oral Assessment</p>	How do we draw and identify lines and angles?	<p>My Math textbook</p> <p>Protractors</p> <p>Graph Papers</p>	<p>Points</p> <p>Lines</p> <p>Line Segments</p> <p>Rays</p> <p>Angles</p> <p>Perpendicular</p> <p>Parallel</p>	
<p>Operations with Fractions</p> <ul style="list-style-type: none"> Add and Subtract Fractions Decomposing Fractions 	4 weeks	<p>4 NF 3</p> <p>4 NF 4</p> <p>4 NF 5</p>	<p>Check My Progress</p> <p>Quizzes</p> <p>End of Chapter Assessment</p> <p>Daily Exit Tickets</p>	How do we use our knowledge of math operations to add, subtract and multiply	<p>My Math textbook</p> <p>Fraction Dice</p> <p>Fraction Models</p>	<p>Common Denominator</p> <p>Decompose</p> <p>Mixed Numbers</p> <p>Non-unit Fraction</p>	

Math 4 Curriculum Mapping

<ul style="list-style-type: none"> • Add and subtract Mixed Numbers • Word Problems with Fractions • Multiplying Fractions • Word Problems: Parts of a Whole 			Oral Assessment	fractions and mixed numbers?			
Patterns and Sequencing <ul style="list-style-type: none"> • Patterns • Function Table 	2 weeks	4 OA	Check My Progress Quizzes End of Chapter Assessment Daily Exit Tickets Oral Assessment	How do we create and determine patterns?	My Math textbook	Patterns Function Table Rule	
Fractions and Decimals <ul style="list-style-type: none"> • Adding Fractions • Decimal Notation • Comparing Decimal 	2 weeks	4 NF 6 4 NF 7	Check My Progress Quizzes End of Chapter Assessment Daily Exit Tickets Oral Assessment	How do we relate decimal notation to fractions, and compare decimal fraction?	My Math textbook Place Value charts/mats Unit Flats	Decimal Fraction	
Line Plots with Data Fraction Points <ul style="list-style-type: none"> • Create Line Plot • Problem Solving with Line Plots 	1 week	4 MD 4	Check My Progress Quizzes End of Chapter Assessment Daily Exit Tickets	How do we show and understand data involving fractions in a line plot?	Line Plots Fraction Tiles	Line Plot	

Math 4 Curriculum Mapping

			Oral Assessment				
Customary Measurement <ul style="list-style-type: none"> Measurement units Word problems: measurement 	2 weeks	4 MD 1 4 MD 2	Check My Progress Quizzes End of Chapter Assessment Daily Exit Tickets Oral Assessment	How do we solve problems involving measurement and unit conversions?	Conversion charts Scales Clocks Liquid containers Weights (customary/metric)	Standard units Metric units Time Analog Digital Elapsed time	
Perimeter and Area <ul style="list-style-type: none"> Area and perimeter 	2 week	4 MD 3	Check My Progress Quizzes End of Chapter Assessment Daily Exit Tickets Oral Assessment	How do we find the area and perimeter of a rectangle in mathematical problems?	Geo boards Graph paper	Area Perimeter	
Long Division <ul style="list-style-type: none"> Division Dividend Divisor Quotient 	3weeks	4 NBT 6 4 NBT 3	Check My Progress Quizzes End of Chapter Assessment Daily Exit Tickets	How do we use place value to find quotients? How is the quotient interpreted?	My Math Base Ten Blocks Counters	Division Remainder Dividend Divisor Quotient Digit Partial quotients	

Math 4 Curriculum Mapping

			Oral Assessment				
Word Problems	Throughout the different contents	4 OA 3	Check My Progress Quizzes End of Chapter Assessment Daily Exit Tickets Oral Assessment	How do we understand and solve word problems?	My Math	Difference Sum Product Quotient	
Fractions and Decimals	3 weeks	4 NF 5 4 NF 6 4 NF 7 4 MD 2	Check My Progress Quizzes End of Chapter Assessment Daily Exit Tickets Oral Assessment	How are fractions and decimals related?	My Math Tenths/Hundredths Grids Place Value Chart Number Lines Money	Decimal Tenth Hundredth Equivalent Fractions Place Value	
Metric Measurement	2 weeks	4 MD 1 4 MD 2	Check My Progress Quizzes End of Chapter Assessment Daily Exit Tickets Oral Assessment	How can conversion of measurements help me solve real world problems?	My Math Base Ten Blocks Meter Stick Metric Containers Metric Weights	Cm, mm, km Ml, l Mg, g, kg Metric system Mass	