Course/Subject: Mathematics	**CURRICULUM MAP**	Grade: 5

TIME FRAME [By Date/Week/ Month]	STANDARD OR BENCHMARK	*CURRICULUM* End Product of Learning, "What" You Teach		*INSTRUCTION* Means to the End Product, "How" You Teach	*ASSESSMENT* Validation to Revise Curriculum & Instruction
		CONTENT: What we want students to "KNOW".	SKILL: What we want students to "DO".	Varied Teaching/Learning Strategies Resources/Comments	Varied Classroom Assessment Strategies
Quarter 1	**5.NF.1- Number and Operations- Fractions 5.NF.2 S5.MD.2-Measurment and Data**	Fractions equivalent to one another Comparing and ordering fractions Adding and subtracting like and unlike fractions Adding and subtracting mixed numbers Estimating to find reasonable answers to real-world situations	Generate and explain simple equivalent fractions. Understand the role of the multiplier in equivalent fractions. Use a variety of strategies to compare fractions. Convert between fractions and mixed numbers. Add and subtract mixed numbers with like and unlike denominators. Add and subtract fractions with different denominators. Use estimates to determine reasonable answers.	Math Expressions materials Math boards Math games and activities Mixed ability grouping Differentiation cards Teacher Created Videos Intervention groups Chromebook Apps Internet Resources	Pre and Post tests on SchoolNet End of lesson quizzes from student workbook Unit Tests Teacher observation Homework review and discussion Class participation
	5.NBT.1 5.NBT.3a,b Number and Operations in Base Ten 5.MD.1- Measurement and Data	Write decimal numbers Add and subtract whole numbers and decimals Round and estimate with decimals Graph with decimal numbers	Understand decimals as equal divisions of a whole. Read, write, and model whole and decimal numbers. Model and identify equivalent decimals. Model adding and subtracting decimals. Add and subtract whole numbers and decimals to hundredths.		

		Use the commutative, associative, and distributive properties to compute mentally. Estimate decimal sums and differences. Solve real-world problems dealing with decimals.		
Quarter 2	**Number and Operations-Fractions** **5.NF.1,2,3** **5.NF.4a,b** **5.NF.5a,b** **5.NF.6**	Multiplication with fractional solutions Multiply a fraction by a fraction Multiplication strategies Multiplying mixed numbers Relate fraction operations Solve real-world situations Dividing fractions Distinguish multiplication from division	Multiply a whole number by a fraction to produce a fraction. Multiply any two fractions. Compare and apply strategies for multiplying fractions. Multiply with mixed numbers. Add, subtract, compare, and multiply fractions to solve word problems. Relate division by a unit fraction or whole number to multiplication. Write and solve division word problems. Determine whether solving a word problem requires multiplication or division. Solve real-world problems.	Math Expressions materials Class multiplication poster Division cards Math boards Flash cards Math games and activities Mixed ability grouping Teacher Created Videos Intervention groups Chromebook Apps Internet Resources	Schoolnet assessments Pre and post tests Quizzes Unit Tests Teacher observation Homework review and discussion Class participation
	Number and Operations in Base Ten **5.NBT.1** **5.NBT.2** **5.NBT.5** **5.NBT.7** **Number and Operations-Fractions** **5.NF.5a,b**	Shift patterns in multiplication Patterns with fives and zeros Multiply two-digit numbers Multiply decimals by whole numbers Multiply by decimals	Understand the shift pattern when multiplying by 10, 100, or 1,000. Understand how a place value model can be used to solve multidigit multiplication problems. Solve two-digit multiplication problems using various methods.		

Quarter 2, cont.		Compare shift patterns Estimate products	Solve multiplication problems with one decimal. Multiply with decimals greater than 1. Round whole numbers and decimal numbers to estimate the product in a multiplication problem. Perform multidigit multiplication with decimal numbers. Solve a variety of real-world problems.		
Quarter 3	**Numbers and Operations in Base Ten** **5.NBT.2** **5.NBT.3** **5.NBT.5** **5.NBT.6**	Division with whole numbers Division with decimals Division with whole numbers and decimals together Distinguish between multiplication and division Interpret remainders	Divide a whole number or decimal by a power of ten with and without exponents. (5.NBT.2) Divide up to four digits by one-digit and two-digit numbers. (5.NBT.6) Divide decimals to hundredths. (5.NBT.7) Divide multidigit numbers by single-digit divisors. Solve division problems with two-digit divisors. Interpret remainders for a variety of problem types. Divide decimal numbers by one and two-digit whole numbers. Solve division problems that have decimal divisors. Solve division problems that contain two decimal numbers.	Math Expressions materials Class multiplication poster Division cards Math boards Flash cards Math games and activities Mixed ability grouping (peer tutoring) Teacher Created Videos Intervention groups Chromebook Apps Internet Resources	Pre and Post tests on SchoolNet Quizzes (in back of lessons in student workbook) Unit Tests Teacher observation Homework review and discussion Class participation

		Solve real-world problems involving division of whole and decimal numbers.		
	Measurement and Data 5.MD.1,2,3 **Number and Operations-Fractions 5.NF** **Geometry 5.G.3,4**	Convert metric units of length Metric units of mass Metric units of liquid volume Customary units of length Customary measures of liquid volume Customary units of weight Finding perimeter and area of rectangles Cubic units of volume Volume formulas Relate length, area, and volume Attributes of quadrilaterals Attributes of triangles Attributes of two-dimensional shapes	Multiply or divide to convert among measurement units within a given measurement system (5.MD.1) Solve multistep real-world problems involving conversions. (5.MD.1) Make a line plot using fractions of a unit. (5.MD.2) Find the area of a rectangle with fractional side lengths. (5.NF.4b) Understand the concept of volume and find the volume of a right rectangular prism. (5.MD.3, 3a, 3b, 4, 5, 5a) Apply a formula for volume to solve problems involving volume. (5.MD.5b) Recognize volume as additive. (5.MD.5c) Classify two-dimensional figures. (5.G.3&4)	Math Expressions materials Class multiplication poster Division cards Math boards Flash cards Math games and activities Mixed ability grouping (peer tutoring) Teacher Created Videos Intervention groups Chromebook Apps Internet Resources	Pre and post tests on SchoolNet Quizzes (in back of lessons in student workbooks) Unit Tests Teacher observation Homework review and discussion Class participation
Quarter 4	**5.OA Operations and Algebraic Thinking** **5.G Geometry**	Read and write expressions Simplify expressions Evaluate expressions	Use grouping symbols to simplify and evaluate expressions (5.OA.1) Interpret numerical expressions without evaluating them. (5.OA.2)	Math Expressions materials Class multiplication poster Division cards	Pre and post tests on SchoolNet Quizzes (at end of lesson in

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		Patterns and relationships The coordinate plane Graphing ordered pairs	Generate two numerical patterns given two different rules. Form ordered pairs consisting of corresponding terms. (5.OA.3) Graph real-world and mathematical problems in the first quadrant of a coordinate plane. (5.G.1&2)	Math boards Flash cards Math games and activities Mixed ability grouping (peer tutoring) Teacher Created Videos Intervention groups Chromebook Apps Internet Resources	student workbook) Unit Tests Teacher observation Homework review and discussion Class participation
Quarter 4, cont.	**5.OA Operations and Algebraic Thinking** **5.NF Numbers and Operations-Fractions** **5.NBT Numbers and Operations in Base Ten**	Write word problems Determine reasonable answers Situation and solution equations for multiplication and division Language of comparison problems Equations and parenthesis Multistep word problems Real-world problem solving	Add, subtract, multiply, and divide decimals to hundredths. (5.NBT.7) Solve word problems involving addition and subtraction of fractions. (5.NF.2) Write situation and solution equations to solve addition and subtraction problems. Write situation and solution equations to solve multiplication and division problems. Write word problems for equations involving fractions and decimals, and model the product. Use a variety of methods to determine reasonable answers. Understand and apply comparison language. Model and solve multiplicative comparison problems. Solve comparison problems. Solve two-step problems Solve multistep problems.		