



Third Grade Math

School: _____ **Teacher Name:** _____

Below is a list of all the units with the key indicators and standards for this course. All standards are to be addressed with fidelity throughout the course. Please use the “Content Taught” column as a checklist and list the date that you completed the key indicator and/or standard.

Unit 1: Understanding Addition, Subtraction

Content Taught (Check box)	Date of Completion	Key Indicators and Standards
		Use properties to explain patterns on the addition table.
		Round numbers to the nearest ten or hundred.
		Use compatible numbers and rounding to estimate sums.
		Use strategies to solve addition problems.
		Add more than two addends.
		Use compatible numbers and rounding to estimate differences.
		Use strategies to solve subtraction problems.

Unit 2: Understanding Multiplication Concepts

Content Taught (Check box)	Date of Completion	Key Indicators and Standards
		Use equal groups to find how many in all.
		Relate repeated addition to multiplication.
		Use a number line to skip count and find how many in all.
		Represent multiplication with bar models.
		Use arrays to model multiplication and find factors.
		Use the Commutative Property of Multiplication to find products.
		Multiply a number by 0 or 1.
		Draw a picture, count by 2s, or use doubles to multiply with the factors 2 and 4.



		Use skip counting, a number line, or a bar model to multiply with the factors 5 and 10.
		Draw a picture, use 5s facts and addition, doubles, or a multiplication table to multiply with the factors 3 and 6.
		Use the Distributive Property to find products.
		Use multiple strategies to multiply with 7.
		Use the Associative Property of Multiplication to find products.
		Use properties to explain patterns on the multiplication table.
		Use multiple strategies to multiply with 8.
		Use multiple strategies to multiply with 9.
		Use multiple strategies to multiply with 11 and 12.
		Use the Distributive Property to multiply with multiples of 10.
		Use place value to solve problems multiplying with multiples of 10.
		Use different strategies to multiply multiples of 10 by 1-digit numbers.
		Use place-value strategies to multiply multiples of 100 by 1-digit numbers.
		Apply the Distributive Property to multiply a 2-digit number and a 1-digit number.

Unit 3: Understanding Division Concepts and Application of Multiplication and Division

Content Taught (Check box)	Date of Completion	Key Indicators and Standards
		Use the information in a division problem to represent the number of equal groups or the number in each equal group.
		Model a division problem to find how many in each group.
		Model a division problem to find how many equal groups.
		Use a bar model to represent and solve division problems.



		Show how division and subtraction are related.
		Use repeated subtraction or a number line to solve division problems.
		Use arrays to find the number of objects in each row or the number of rows to solve division problems.
		Use related multiplication and division equations to solve problems.
		Write related multiplication and division facts.
		Use properties to apply rules for division with 1 and 0.
		Divide by 2 to find the number of equal groups or the number in each group.
		Use different strategies to divide by 10.
		Use counting up, counting back, and doubles to divide by 5.
		Divide by 3 by making equal groups.
		Divide by 4 using factors of 4, making equal groups, and using related multiplication facts.
		Use different strategies to divide by 6.
		Use different strategies to divide by 7.
		Use repeated subtraction and related multiplication facts as strategies to divide by 8.

Unit 4: Geometry and Measurement

Content Taught (Check box)	Date of Completion	Key Indicators and Standards
		Count unit squares to find the area of a figure.
		Find the area by counting unit squares without gaps or overlap.
		Multiply to find the area of a rectangle.
		Use the strategy find a pattern to solve area problems.
		Break apart a figure to find the area.



		Explore perimeter of polygons by counting units on grid paper.
		Estimate and measure perimeter of polygons using inch and centimeter rulers.
		Use a formula to find the perimeter of a rectangle.
		Compare areas of rectangles that have the same perimeter.
		Compare perimeters of rectangles that have the same area.
		Develop a concise explanation of how to find the unknown length of a side in a plane figure when you know its perimeter.
		Tell and write time to the nearest minute.
		Tell when to use a.m. and p.m. with time.
		Measure elapsed time in minutes.
		Find a starting time or an ending time when you know the elapsed time.
		Solve problems about time.

Unit 5: Exploring Fractions

Content Taught (Check box)	Date of Completion	Key Indicators and Standards
		Describe equal parts of a whole.
		Represent and name one part of a whole that is divided into equal parts.
		Use a fraction to represent and name equal parts of a whole.
		Represent, interpret, and locate fractions on a number line.
		Represent and interpret fractions as the sum of unit fractions with the same denominator.
		Represent and write numbers greater than one as fractions.
		Use a fraction to represent and name part of a set.
		Compare fractions using visual models.
		Compare fractions with the same denominator.



		Compare fractions with the same numerator.
		Use reasoning and number lines to compare fractions.
		Compare and order fractions.
		Use models to find equivalent fractions.
		Use models to identify equivalent fractions.

Unit 6: Exploring Fractions

Content Taught (Check box)	Date of Completion	Key Indicators and Standards
		Describe equal parts of a whole.
		Represent and name one part of a whole that is divided into equal parts.
		Use a fraction to represent and name equal parts of a whole.
		Represent, interpret, and locate fractions on a number line.
		Represent and interpret fractions as the sum of unit fractions with the same denominator.
		Represent and write numbers greater than one as fractions.
		Use a fraction to represent and name part of a set.
		Compare fractions using visual models.
		Compare fractions with the same denominator.
		Compare fractions with the same numerator.
		Use reasoning and number lines to compare fractions.
		Compare and order fractions.
		Use models to find equivalent fractions.
		Use models to identify equivalent fractions.



Unit 7: Exploring Measurement, Geometry and Dat

Content Taught (Check box)	Date of Completion	Key Indicators and Standards
		Measure to the nearest half and fourth inch.
		Understand how cups, pints, quarts, and gallons are related.
		Measure liquid volume in metric units.
		Estimate and measure weight with ounces and pounds.
		Estimate and measure mass in metric units.
		Estimate and measure temperature in degrees Fahrenheit and degrees Celsius.
		Use models to solve measurement problems.
		Identify and describe attributes of plane shapes.
		Describe angles in two-dimensional shapes.
		Determine if lines or line segments are intersecting, perpendicular, or parallel.
		Describe, classify, and compare quadrilaterals based on their sides and angles.
		Draw quadrilaterals.
		Organize data in a table to solve problems.
		Read and use data in a picture graph to solve problems.
		Draw a scaled picture graph to represent data in a table and solve problems about the data.
		Read and interpret data in a bar graph.
		Draw a bar graph to represent data from a table or picture graph.
		Read and interpret data in a line plot and use data to make a line plot.
		Read and interpret data in a circle graph.
		Use data displayed in graphs to solve problems.



Please provide any additional notes that are pertinent to the content that was covered throughout the academic year.