# 3rd Grade Math Curriculum Map

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| Month | Objectives/Learning | Applicable State & | Assessments |
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| August | The students will read and write multi-digit numbers to 1000, understand how to use a number line, compare and order 3-digit numbers, round numbers to the nearest ten, round numbers to the nearest hundred, and solve problems by using the four-step process. | 2.NTB.3,2.NTB4, 3.NTB.1, MP1, MP6 | The students will do problems on the board, complete lesson workbook pages, and complete chapter tests. |
| September | The students will identify and understand the properties of addition, explore addition patterns, estimate sums to 1000, use partial sums to add three-digit numbers, add two three-digit numbers by regrouping ones and tens, find the sum of three or more addends up to 1000, and solve word prpblems by using a model to organize information. The students will estimate differences by rounding and using front-end estimation, relate addition and subtraction to solve problems, subtract three-digit numbers using partial differences, and subtract three-digit numbers using regrouping. | 3.NTB.2, 3. OA.9, MP1, MP6 | The students will do problems on the board, complete lesson workbook pages, and complete chapter tests. |

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| October | The students will understand how repeated addition is used to represent multiplication of whole numbers, multiply by skip counting on a number line, use arrays to write multiplication problems, multiply with the commutative property, explore the concept of division as sharing, and use repeated subtraction to divide. The students will multiply by 2,5,9,1,0, and 10, find and use patterns in the multiplication table, find the unknown in a multiplication equation, and problem solve using a model. | 3.OA.1, 3.OA.2, 3.OA.4, 3.OA.5, 3.OA.7, 3.OA.9, MP!, MP6 | The students will do problems on the board, complete lesson workbook pages, and complete chapter tests. |
| November | The students will apply the distributive property as a strategy to multiply, multiply by 3, 4, 6, 7, and 8,use a bar model to multiply word problems within 100, problem solve by making a table to organize information, use the associative property of multiplication, find and use patterns in the multiplication table, and multiply one-digit numbers by multiples of 10. The students will use related multiplication and division facts to solve problems, divide by 2, 3, 4, and 5, and solve division word problems by using a drawing. | 3.OA3, 3.OA.5, 3.OA.7, 3.OA.9, 3. NTB.3, MP1, MP6 | The students will do problems on the board, complete lesson workbook pages, and complete chapter tests. |
| December | The students will divide by 6, 7, 8, 9, and 1, solve multistep word problems by working backward, identify multiplication and division fact families, and use order of operations to solve problems with multiple operations. | 3.OA.3, 3.OA.7, MP1, MP6 | The students will do problems on the board, complete lesson workbook pages, and complete chapter tests. |

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| January | The students will determine whether a shape is divided into equal parts and name the number of equal parts, name unit fractions of a whole, find unit fractions on a number line, name fractions of a whole, name and plot fractions on a number line, use a fraction to find the whole, and identify fractions by using models. The students will write whole numbers as fractions, identify equivalent fravtions, find equivalent fractions on a number line, compare fractions with the same denominator, compare fractions with the same numerator, order fractions, and solve problems by acting it out. | 3.NF.1, 3.NF.2a, 3.NF2b, 3.NF3a, 3.NF.3c, 3.NF3d, MP1, MP6 | The students will do problems on the board, complete lesson workbook pages, and complete chapter tests. |
| February | The students will measure lengths to the nearest quarter and half inch, estimate and measure liquid volume in the metric system, solve problems involving liquid volumes, estimate and measure masses in the metric system, solve problems involving masses, and write one-step equations to solve problems. The students will read picture graphs, make picture graphs, read bar graphs, make bar graphs, solve two-step problems using a bar graph, read line plots, and make line plots. | 3.MD.2, 3.MD.3, 3.MD.4, MP1, MP6 | The students will do problems on the board, complete lesson workbook pages, and complete chapter tests. |

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| March | The students will tell time to the minute, measure elapsed time, find start and end times, solve word problems involving addition and subtraction of time intervals, and solve problems using logical reasoning. The students will classify polygons, classify quadrilaterals, draw quadrilaterals, compose and decompose shapes, and make a table to solve problems. | 3.MD.1, 1.G.2, 3.G.1, MP1, MP6 | The students will do problems on the board, complete lesson workbook pages, and complete chapter tests. |
| April | The students will understand the concept of area, measure area by counting unit squares, find the area of a rectangle and a square, find area using the distributive property, find area of composite shapes, solve problems by using the guess-and-test method. THe students will understand the concept of perimeter, find the perimeter of polygons, find the unknown side lengthsof a polygon when given the perimeter, solve problems using two different strategies, find rectangles that have the same perimeter and different areas, and find rectangles that have the same area and different perimeters. | 3.MD.5b, 3.MD.6, 3.MD.7b, 3.MD.7c, 3.MD.7d, 3.MD.8, MP1, MP6 | The students will do problems on the board, complete lesson workbook pages, and complete chapter tests. |