Carderock Springs Elementary School
Math - Grade 3

Student Name: _____ Teacher:

School Year:

Recording Codes:

4 = Complete understanding – Students have been taught the material and have consistently demonstrated thorough understanding and application.
3 = General understanding – Students have been taught the material and have usually demonstrated understanding and application.
2 = Developing understanding – Students have been taught the material and show some understanding but are not yet able to consistently apply these skills.
1 = Minimal understanding – Students have been exposed to the material but there is minimal understanding.

Math Grade 3				
Number Relationships and Computation	Q1	Q2	Q3	Q4
• Represents three- and four-digit numbers in a variety of ways.				
• Estimates sums and differences of numbers less than 1,000.				
• Subtracts two- and three-digit numbers with regrouping.				
• Solves multiplication and division problems using a variety of strategies.				
• Solves problems using number properties.				
• Demonstrates mastery of multiplication facts for 0, 1, 2, 5, and 10.				
• Identifies equivalent fractions using models and pictures.				
• Multiplies and divides multi-digit numbers by one-digit numbers.				
• Solves problems involving money through $100.00.				
Algebra, Patterns, and Functions				
• Identifies, describes, and extends a variety of non-numeric patterns.				
• Locates whole numbers and fractions with denominators of 2, 3, and 4 on a number line.				
• Solves problems involving numeric equations or inequalities.				
• Locates points on a grid.				
Geometry and Measurement				
• Estimates and/or measures length to solve problems.				
• Estimates and counts to find the area and perimeter of figures.				
• Identifies, describes, and classifies two- and three-dimensional shapes.				
• Identifies angles and describes how they compare to right angles.				
• Draws geometric figures using tools.				
• Recognizes three-dimensional objects from different perspectives.				
• Identifies and describes symmetry and congruence of geometric figures.				
• Describes and represents slides, flips, and turns using pictures and objects.				
• Estimates and determines elapsed time using clocks and calendars.				
• Chooses appropriate measurement units and tools.				
• Solves problems involving length, volume, weight, capacity, temperature, or time.				

Statistics and Probability				
• Gathers, organizes, and displays data using appropriate scales.				
• Interprets and compares data from tables, pictographs, and bar graphs.				
• Lists possible outcomes for an event and describes the likelihood of an event.				
Math Grade 3 Acceleration				
Number Relationships and Computation	Q1	Q2	Q3	Q4
• Recognizes and applies place value patterns in numbers through millions.				
• Demonstrates mastery of basic multiplication and division fact families.				
• Identifies and applies multiples and factors of numbers.				
• Compares and orders fractions and mixed numbers.				
• Compares decimals to the hundredths using numerals, pictures, and objects.				
• Describes the relationship between fractions and decimals.				
• Adds and subtracts fractional numbers with like denominators using models and pictures.				
• Adds and subtracts decimals using models and pictures.				
• Multiplies fractions and whole numbers using models and pictures.				
• Solves problems involving estimation with fractions and decimals.				
• Multiplies and whole number by a 2- or 3-digit factor.				
• Estimates products to determine the reasonableness of answers.				
• Divides any whole number by a 1-digit divisor.				
• Identifies situations that are represented by negative numbers.				
Algebra, Patterns, and Functions				
• Solves for the unknown or variable in an equation.				
• Generalizes a pattern by stating a rule.				
• Completes a function table using a given rule.				
• Writes and simplifies numeric expressions using number properties.				
Geometry and Measurement				
• Selects appropriate attributes and uses standard units to solve measurement problems.				
• Develops and uses formulas to solve problems involving perimeter and area of rectangles.				
• Identifies and describes the sides, angles, edges, vertices, and faces of solid figures.				
• Draws circles, triangles, and quadrilaterals, given their dimensions.				
• Identifies and describes points, lines, line segments, and rays.				
• Classifies angles as acute, obtuse, or right.				
• Identifies translations, reflections, and rotations of figures.				
• Selects appropriate attributes and uses standard units to solve measurement problems.				
• Solves problems involving area, perimeter, and volume.				
• Estimates and determines elapsed time.				
Statistics and Probability				
• Organizes, displays, and analyzes data using line plots and line graphs.				
• Determines and distinguishes among mean, median, mode, and range using concrete objects.				
• Lists all possible outcomes for a simple probability situation.				
• Expresses the probability of an event as a fraction.				