2018-2019 Curriculum Map for *Fourth Grade* Math 1st Nine Weeks	Go Math Chapters
M.4.1 *Operations and Algebraic Thinking- Use the four operations with whole numbers to solve problems.* Interpret a multiplication equation as a comparison (e.g., interpret $35 = 5 \times 7$ as a statement that 35 is 5 times as many as 7 and 7 times as many as 5). Represent verbal statements of multiplicative comparisons as multiplication equations.	2
M.4.2 *Operations and Algebraic Thinking- Use the four operations with whole numbers to solve problems.* Multiply or divide to solve word problems involving multiplicative comparison (e.g., by using drawings and equations with a symbol for the unknown number to represent the problem) and distinguish multiplicative comparison from additive comparison.	2
M.4.3 *Operations and Algebraic Thinking- Use the four operations with whole numbers to solve problems.* Solve multi-step word problems posed with whole numbers and having whole-number answers using the four operations, including problems in which remainders must be interpreted. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding	2, 3
M.4.6 *Number and Operations Base Ten- Generalize place value understanding for multi-digit whole numbers.* Recognize that in a multi-digit whole number, a digit in one place represents ten times what it represents in the place to its right (e.g., recognize that $700 \div 70 = 10$ by applying concepts of place value and division).	1
M.4.7 *Number and Operations Base Ten- Generalize place value understanding for multi-digit whole numbers.* Read and write multi-digit whole numbers using base-ten numerals, number names, and expanded form. Compare two multi-digit numbers based on meanings of the digits in each place, using $>$, $=$ and $<$ symbols to record the results of comparisons.	1
M.4.8 *Number and Operations Base Ten- Generalize place value understanding for multi-digit whole numbers.* Use place value understanding to round multi-digit whole numbers to any place.	1
M.4.9 *Number and Operations Base Ten- Use place value understanding and properties of operations to perform multi-digit arithmetic.* Fluently add and subtract multi-digit whole numbers using the standard algorithm.	1
M.4.10 *Number and Operations Base Ten- Use place value understanding and properties of operations to perform multi-digit arithmetic.* Multiply a whole number of up to four digits by a one-digit whole number, multiply two two-digit numbers, using strategies based on place value and the properties of operations and illustrate and explain the calculation by using equations, rectangular arrays and/or area models.	2, 3
Include **Number Talks** and integrate the **Mathematical Habits of Mind**. 1. Make sense of problems and persevere in solving them. 2. Reason Abstractly and Quantitatively. 3. Construct viable arguments and critique the reasoning of others. 4. Model with mathematics. 5. Use appropriate tools strategically. 6. Attend to precision. 7. Look for and make use of structure. 8. Look for and express regularity in repeated reasoning.	