2018-2019 Curriculum Map for **First** Grade Math 1st Nine Weeks	Go Math Chapters
M.1.1 *Operations and Algebraic Thinking- Represent and solve problems involving addition and subtraction.* Use addition and subtraction within 20 to solve word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions (e.g., by using objects, drawings, and equations with a symbol for the unknown number to represent the problem).	1, 2
M.1.3 *Operations and Algebraic Thinking- Understand and apply properties of operations and the relationships between addition and subtraction.* Apply properties of operations as strategies to add and subtract (e.g., If 8 + 3 = 11 is known, then 3 + 8 = 11 is also known: Commutative Property of Addition. To add 2 + 6 + 4, the second two numbers can be added to make a ten, so 2 + 6 + 4 = 2 + 10 = 12: Associative Property of Addition).	1, 3
M.1.5 *Operations and Algebraic Thinking- Addition and Subtraction within 20.* Relate counting to addition and subtraction (e.g., by counting on 2 to add 2).	3
M.1.6 *Operations and Algebraic Thinking- Addition and Subtraction within 20.* Add and subtract within 20, demonstrating fluency for addition and subtraction within 10 and use strategies such as counting on; making ten (e.g., 8 + 6 = 8 + 2 + 4 = 10 + 4 = 14); decomposing a number leading to a ten (e.g., 13 – 4 = 13 – 3 – 1 = 10 – 1 = 9); using the relationship between addition and subtraction (e.g., knowing that 8 + 4 = 12, one knows 12 – 8= 4); and creating equivalent but easier or known sums (e.g., adding 6 +7 by creating the known equivalent 6 + 6 + 1 = 12 + 1 = 13).	1, 2, 3
M.1.8 *Operations and Algebraic Thinking- Work with addition and subtraction equations.* Determine the unknown whole number in an addition or subtraction equation relating three whole numbers (e.g., Determine the unknown number that makes the equation true in each of the equations. 8 + ? = 11, 5 = ? – 3, 6 + 6 = ?).	2
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.	