Window Rock Unified School District #8 – Tsehootsooi Primary Learning Center

SCHOOL YEAR 2020-2021 **CURRICULUM GUIDE**

SUBJECT: MATH **GRADE: FIRST-GRADE** **TIMELINE: 1st Quarter**

Core Standard	Kid Friendly Learning Objectives	Essential Question	Content Skill	Assessment Method	Instructional Strategies/ Resources	DOK Level	Mathematical Practice
Counting and Cardinality (CC)							
1.OA.A.1 se addition and subtraction within 20 to solve word problems with unknowns in all positions (e.g., by using objects, drawings, and/or equations with a symbol for the unknown number to represent the problem).	I can solve addition and subtraction word problems within 20.	How do I represent this addition or subtraction problem? What strategy will help me best to solve this problem? Why would another strategy not help me best solve this problem?	Use a symbol for an unknown number in an addition or subtraction problem within 20. Interpret situations to solve word problems with unknown in all positions within 20 using addition and subtraction. Solve word problems within 20 using addition and subtraction.	GoMath: Chapter 1 Test: 2, 3, 6, 7, 9–11 Chapter 2 Test: 1–3, 5, 6, 8, 9, 11 Chapter 4 Test: 6, 11 Chapter 5 Test: 1, 7, 12 Chapter 1 Performance Assessment: 1–4 Chapter 2 Performance Assessment: 1–4 Chapter 4 Performance Assessment: 1–4 Chapter 5 Performance Assessment: 1–4 Critical Area 1 Performance Assessment: 1–8 Beginning/Middle/End of Year Test: 13, 16, 18, 27, 28		1 2	MP1 – Make sense of problems and persevere in solving them. MP2 – Reason abstractly and quantitatively. MP3 – Construct viable arguments and critique the reasoning of others. MP4 – Model with mathematics. MP5 – Use appropriate tools strategically. MP8 – Look for and express regularity in

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							repeated reasoning.
1.OA.A.2 Solve word problems that call for addition of three whole numbers whose sum is less than or equal to 20 (e.g., by using objects, drawings, and/or equations with a symbol for the unknown number to represent the problem)	I can add three whole numbers together to equal 20.	How can I represent this addition or subtraction problem? What strategy will help me best to solve this problem? Why would another strategy not help me best solve this problem?	Know how to add three whole numbers whose sum is less than or equal to 20. Solve word problems that call for addition of three whole numbers whose sum is less than or equal to 20.	GoMath: Chapter 3 Test: 12 Chapter 3 Performance Assessment: 3		1	MP1 – Make sense of problems and persevere in solving them. MP2 – Reason abstractly and quantitatively. MP3 – Construct viable arguments and critique the reasoning of others. MP4 – Model with mathematics. MP5 – Use appropriate tools strategically. MP8 – Look for and express regularity in

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							repeated reasoning.
1.OA.B.3 Apply properties of operations (commutative and associative properties of addition) as strategies to add and subtract within 20. (Students need not use formal terms for these properties.)	I can use strategies to make it easier to add and subtract.	What is another way to show this addition problem? How can solving a problem a different way make it easier to do?	Define properties of operation strategies. Apply properties of operations as strategies to solve addition and subtraction problems.	GoMath: Chapter 1 Test: 4, 5, 8, 12 Chapter 3 Test: 1, 10, 11 Chapter 1 Performance Assessment: 3, 4 Chapter 3 Performance Assessment: 1, 2, 4 Critical Area 1 Performance Assessment: 8 Beginning/Middle/End of Year Test: 14, 15, 40		1 2	MP2 - Reason abstractly and quantitatively. MP7 - Look for and make use of structure. MP8 - Look for and express regularity in repeated reasoning.
1.OA.B.4 Apply properties of operations (commutative and associative properties of addition) as strategies to add and subtract within 20. (Students need		What is another way to show this subtraction problem? How can addition help me to solve this subtraction problem?	Identify the unknown in a subtraction problem. Solve subtraction problems to find the missing addend.	GoMath: Chapter 4 Test: 2, 3, 7 Chapter 4 Performance Assessment: 3, 4 Beginning/Middle/End of Year Test: 2		1 2	MP2 - Reason abstractly and quantitatively. MP7 - Look for and make use of structure. MP8 - Look for and express regularity in

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not use formal terms for these properties.)			Explain the relationship of addition and subtraction.				repeated reasoning.
1.OA.C.5 Apply properties of operations (commutative and associative properties of addition) as strategies to add and subtract within 20. (Students need not use formal terms for these properties.)	I can count on to add. I can count back to subtract.	Why does counting help me add and subtract?	Know how to count on and count back. Explain how counting on and counting back relate to addition and subtraction.	GoMath: Chapter 3 Test: 2 Chapter 4 Test: 1, 8 Chapter 4 Performance Assessment: 1–4 Beginning/Middle/End of Year Test: 1, 37		1	MP7 - Look for and make use of structure. MP8 - Look for and express regularity in repeated reasoning.
1.OA.C.6 Fluently add and subtract within 10.	I can fluently add and subtract within 10. I can use mental strategies to add and subtract within 20.	How can math facts help me solve problems? Which strategy will help me solve the problem the best?	Add fluently within 20. Subtract fluently within 20. Apply strategies to add and subtract within 20.	GoMath: Chapter 1 Test: 1 Chapter 2 Test: 10, 12 Chapter 3 Test: 3–9 Chapter 4 Test: 4, 5, 9, 10 Chapter 5 Test: 2–4, 8, 10, 11 Chapter 8 Test: 1, 8 Chapter 3 Performance	GoMath Chapter 1, 3, & 4	1 2	MP2 - Reason abstractly and quantitatively. MP7 - Look for and make use of structure. MP8 - Look for and express

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				Assessment: 1–4 Chapter 4 Performance Assessment: 1–4 Chapter 5 Performance Assessment: 1–4 Critical Area 1 Performance Assessment: 1–8 Beginning/Middle/End of Year Test: 3, 17, 38, 39			regularity in repeated reasoning.
1.OA.D.7 Understand the meaning of the equal sign, and determine if equations involving addition and subtraction are true or false (e.g., Which of the following equations are true and which are false? 6 + 1 =	I can determine if two numbers are equal. I can determine if the value of two numbers are equal if an equal sign separates them.	How can numbers be equal?	Explain the meaning of an equal sign. Compare the values on each side of an equal sign. Determine if an equation is true or false.	GoMath: Chapter 5 Test: 9 Beginning/Middle/End of Year Test: 20		1 2	MP2 - Reason abstractly and quantitatively. MP3 – Construct viable arguments and critique the reasoning of others. MP6 – Attend to precision.

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6 - 1, 7 = 8 - 1, 5 + 2 = 2 + 5,							MP7 - Look for and make use of structure.
1.OA.D.8 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 + o = 11,	I can figure out a missing number in an addition or subtraction equation.	How are two numbers related? How can fact families help me solve problems?	Recognize part-part-whole relationships of addition and subtraction equations. Determine the unknown whole number in an addition or subtraction equation with three whole numbers.	GoMath: Chapter 2 Test: 4, 7 Chapter 5 Test: 5, 6 Critical Area 1 Performance Assessment: 1–8 Beginning/Middle/End of Year Test: 19, 29, 30		1 2	MP2 - Reason abstractly and quantitatively. MP6 – Attend to precision. MP7 - Look for and make use of structure.

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