

Warren County Schools Standards Matrix is aligned with the *North Carolina Collaborative for mathematics Learning (NC²ML) Instructional Frameworks*. The clusters and sequencing are crafted to foster student understanding over time of the connections among mathematical ideas and procedures. Standards and skills are addressed through multiple clusters with increase depth of knowledge. Please note that strikethroughs represent parts of standards that are addressed in a different cluster. The mastery of all grade level standards is an expectation by the end of the academic school year. Teachers will have to continue to keep skills sharp throughout each grading period.

Benchmark 1: Schoolnet

Benchmark 2: Schoolnet

Benchmark 3: Schoolnet

(Standards are highlighted to indicate the Benchmark that it will be assessed on)

Note: Be careful not to overlook standards that will be assessment in a particular benchmark window

Instructional Framework	North Carolina Standard	Recommended Duration and
Cluster		Resources
	First Six Weeks	
1.Using Numbers to Explore Our Mathematical	Extend and recognize patterns in the counting sequence. NC.1.NBT.1 Count to 150, starting at any number less than 150.	3 to 4 Weeks
Community	NC.1.NBT.7 Read and write numerals, and represent a number of objects with a written numeral, to 100 20.	Instructional Framework Resource
	Understand place value.	
	 NC.1.NBT.2 Understand that the two digits of a two-digit number represent amounts of tens and ones. Unitize by making a ten from a collection of ten ones. Model the numbers from 11 to 19 as composed of a ten and one, two, three, four, five, six, seven, eight, or nine ones. Demonstrate that the numbers 10, 20, 30, 40, 50, 60, 70, 80, 90 refer to one, two, three, four, five, six, seven, eight, or nine tens, with 0 ones. 	Cluster 1 Tools4teachers (Lessons/Tasks)
	Represent and interpret data. NC.1.MD.4 Organize, represent, and interpret data with up to three categories. Ask and answer questions about the total number of data points. Ask and answer questions about how many in each category. Ask and answer questions about how many more or less are in one category than in another.	
2.Building a	Represent and solve problems.	3-4 weeks
Conceptual	NC.1.0A.1 Represent and solve addition and subtraction word problems, within 20, with	
Understanding of	unknowns, by using objects, drawings, and equations with a symbol for the unknown	Instructional
Addition and Subtraction	number to represent the problem, when solving: • Add to/Take from-Change Unknown	<u>Framework</u> Resource
Subtraction	Add to/ Take from-Change Unknown Put together/Take Apart-Addend Unknown	Kesource
	Compare Difference Unknown	
	Understand and apply the properties of operations. NC.1.0A.3 Apply the commutative and associative properties as strategies for solving addition problems.	Cluster 2 Tools4teachers (Lessons/Tasks
	Add and subtract within 20. NC.1.0A.6 Add and subtract, within 20, using strategies such as: Counting on Making ten Decomposing a number leading to a ten Using the relationship between addition and subtraction Using a number line	



Creating equivalent but simpler or known sums	
NC.1.0A.9 Demonstrate fluency with addition and subtraction within 10.	
Analyze addition and subtraction equations within 20. NC.1.0A.7 Apply understanding of the equal sign to determine if equations involving addition and subtraction are true.	



Framework Cluster Second Six Weeks 3.Understanding Equality and Place Value to Compare Numbers NOTE: NBT.1 and NBT.7 are continued areas of focus. These should be woven into and reinforced in instruction throughout the remainder of the year. Understand place value. NC.1.NBT.2 and ones. Unitize by making a ten from a collection of ten ones. Duration and Resources 3 Weeks Instructional Framework Resource Cluster 3 Tools4teachers (Lessons/Tasks)
3.Understanding Equality and Place Value to Compare Numbers NOTE: NBT.1 and NBT.7 are continued areas of focus. These should be woven into and reinforced in instruction throughout the remainder of the year. Understand place value. NC.1.NBT.2 and ones. Unitize by making a ten from a collection of ten ones. Second Six Weeks 3 Weeks 1 Instructional Framework Resource Cluster 3 Tools4teachers (Lessons/Tasks)
Sunderstanding Equality and Place Value to Compare Numbers NC.1.NBT.1 Count to 150, starting at any number less than 150.
NC.1.NBT.1 Count to 150, starting at any number less than 150.
Place Value to Compare Numbers NC.1.NBT.7 Read and write numerals, and represent a number of objects with a written numeral, to 100. NOTE: NBT.1 and NBT.7 are continued areas of focus. These should be woven into and reinforced in instruction throughout the remainder of the year. Understand place value. NC.1.NBT.2 nderstand that the two digits of a two-digit number represent amounts of tens and ones. Unitize by making a ten from a collection of ten ones.
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 into and reinforced in instruction throughout the remainder of the year. Understand place value. NC.1.NBT.2 nderstand that the two digits of a two-digit number represent amounts of tens and ones. Unitize by making a ten from a collection of ten ones.
 Model the numbers from 11 to 19 as composed of a ten and one, two, three, four, five, six, seven, eight, or nine ones. Demonstrate that the numbers 10, 20, 30, 40, 50, 60, 70, 80, 90 refer to one, two, three, four, five, six, seven, eight, or nine tens, with 0 ones. MC.1.NBT.3 Compare two two-digit numbers based on the value of the tens and ones digits, recording the results of comparisons—with the symbols >, =, and <.
Benchmark 1
Represent and interpret data. 3 Weeks
NC.1.MD.4 Organize, represent, and interpret data with up to three categories.
• Ask and answer questions about the total number of data points. <u>Instructional</u>
Ask and answer questions about how many in each category. Framework
Ask and answer questions about how many more or less are in one category than in Resource
another.
Represent and solve problems.
Represent and solve problems. NC.1.0A.1 Represent and solve addition and subtraction word problems, within 20, with Cluster 3 Tools4teachers
unknowns, by using objects, drawings, and equations with a symbol for the unknown (Lessons/Tasks)
number to represent the problem, when solving:
Add to/Take from-Change Unknown
Put together/Take Apart-Addend Unknown
Compare-Difference Unknown



Instructional Framework	North Carolina Standard	Recommended Duration and
Cluster		Resources
	Third Six Weeks	
4.Understanding	Measure lengths.	4 to 5 Weeks
Measurement as	NC.1.MD.1 Order three objects by length; compare the lengths of two objects indirectly	(Continued)
a Context to	by using a third object.	Instructional
Compare Numbers	NOT MD 2 March at least a little and a last a little	Instructional Framework
Numbers	 Measure lengths with non-standard units. Express the length of an object as a whole number of non-standard length units. 	Resource
	 Express the length of all object as a whole number of non-standard length units. Measure by laying multiple copies of a shorter object (the length unit) end to end (iterating) with no gaps or overlaps. 	<u>rtessource</u>
	(tterating) with no gaps of overlaps.	Cluster 4
	Understand place value.	Tools4teachers
	NC.1.NBT.3 Compare two two-digit numbers based on the value of the tens and ones digits, recording the results of comparisons-with the symbols >, =, and <.	(Lessons/Tasks
	Donuscent and calve muchlane	
	Represent and solve problems. NC.1.0A.2 Represent and solve word problems that call for addition of three whole numbers whose sum is less than or equal to 20, by using objects, drawings, and equations with a symbol for the unknown number.	
	Analyze addition and subtraction equations within 20.	
	NC.1.OA.7 Apply understanding of the equal sign to determine if equations involving addition and subtraction are true.	
	NC.1.0A.8 Determine the unknown whole number in an addition or subtraction equation involving three whole numbers.	
Benchmark 2		



Instructional	North Carolina Standard	Recommended
Framework Cluster		Duration and Resources
Cluster	Fourth Six Weeks	Resources
5.Operating with	Extend and recognize patterns in the counting sequence.	6 Weeks
Place Value	NC.1.NBT.1 Count to 150, starting at any number less than 150.	Instructional
	 Understand place value. NC.1.NBT.2 Understand that the two digits of a two-digit number represent amounts of tens and ones. Unitize by making a ten from a collection of ten ones. Model the numbers from 11 to 19 as composed of a ten and one, two, three, four, 	Framework Resource Cluster 5
	five, six, seven, eight, or nine ones. • Demonstrate that the numbers 10, 20, 30, 40, 50, 60, 70, 80, 90 refer to one, two, three, four, five, six, seven, eight, or nine tens, with 0 ones.	Tools4teachers (Lessons/Tasks
	Use place value understanding and properties of operations. NC.1.NBT.4 Using concrete models or drawings, strategies based on place value, properties of operations, and explaining the reasoning used, add, within 100, in the following situations: • A two-digit number and a one-digit number	
	A two-digit number and a multiple of 10	
	<u>NC.1.NBT.5</u> Given a two-digit number, mentally find 10 more or 10 less than the number, without having to count; explain the reasoning used.	
	 NC.1.NBT.6 _Subtract multiples of 10 in the range 10-90 from multiples of 10 in the range 10-90, explaining the reasoning, using: Concrete models and drawings Number lines Strategies based on place value Properties of operations The relationship between addition and subtraction 	
	Represent and solve problems. NC.1.0A.1 Represent and solve addition and subtraction word problems, within 20, with unknowns, by using objects, drawings, and equations with a symbol for the unknown number to represent the problem, when solving: Add to/Take from-Change Unknown Put together/Take Apart-Addend Unknown Compare-Difference Unknown	
	Understand and apply the properties of operations. NC.1.0A.3 Apply the commutative and associative properties as strategies for solving addition problems.	
	Analyze addition and subtraction equations within 20. NC.1.0A.7 Apply understanding of the equal sign to determine if equations involving addition and subtraction are true.	



Instructional Framework	North Carolina Standard	Recommended Duration and
Cluster		Resources
	Fifth Six Weeks	
6.Distinguishing and Composing Shapes	 Reason with shapes and their attributes. NC.1.G.1 Distinguish between defining and non-defining attributes and create shapes with defining attributes by: Building and drawing triangles, rectangles, squares, trapezoids, hexagons, circles. Building cubes, right rectangular prisms, right circular cones, spheres, and right circular cylinders. NC.1.G.2 Create composite shapes by: Making a two-dimensional composite shape using rectangles, squares, trapezoids, triangles, and half-circles naming the components of the new shape. Making a three-dimensional composite shape using cubes, rectangular prisms, cones, and cylinders, naming the components of the new shape. 	3 Weeks Instructional Framework Resource Cluster 6 Tools4teachers (Lessons/Tasks
	Benchmark 3	
7.Partitioning and Telling Time to the Hour and Half Hour	Build understanding of time and money. NC.1.MD.3 Tell and write time in hours and half-hours using analog and digital clocks. Reason with shapes and their attributes. NC.1.G.3 Partition circles and rectangles into two and four equal shares. Describe the shares as halves and fourths, as half of and fourth of. Describe the whole as two of, or four of the shares. Explain that decomposing into more equal shares creates smaller shares.	3 Weeks Instructional Framework Resource Cluster 7 Tools4teachers (Lessons/Tasks



Instructional Framework	North Carolina Standard	Recommended Duration and
Cluster		Resources
	Sixth Six Weeks	
8.Developing Flexibility with Number	Represent and solve problems. NC.1.OA.1 Represent and solve addition and subtraction word problems, within 20, with unknowns, by using objects, drawings, and equations with a symbol for the unknown number to represent the problem, when solving: • Add to/Take from-Change Unknown • Put together/Take Apart-Addend Unknown • Compare-Difference Unknown NC.1.OA.2 Represent and solve word problems that call for addition of three whole numbers whose sum is less than or equal to 20, by using objects, drawings, and equations with a symbol for the unknown number. Understand and apply the properties of operations. NC.1.OA.3 Apply the commutative and associative properties as strategies for solving addition problems. NC.1.OA.4 Solve an unknown-addend problem, within 20, by using addition strategies and/or changing it to a subtraction problem. Add and subtract within 20.	3 Weeks Instructional Framework Resource Cluster 8 Tools4teachers (Lessons/Tasks
	 NC.1.0A.6 Add and subtract, within 20, using strategies such as: Counting on Making ten Decomposing a number leading to a ten Using the relationship between addition and subtraction Using a number line Creating equivalent but simpler or known sums NC.1.0A.9 Demonstrate fluency with addition and subtraction within 10. Build understanding of time and money. NC.1.MD.5 Identify quarters, dimes, and nickels and relate their values to pennies.	
Review All Clusters	Review all standards	3 Weeks
End of Grade Assessment		