

**Jay Public Schools Curriculum Map
Mathematics 2nd Grade
2019-2020**

Subject: 2nd Grade Mathematics		Updated: 4/24/19		
1st Quarter – Estimated Time: 9 weeks				
Content Strands: Numbers and Operations, Algebraic Reasoning and Algebra				
Unit and Time Frame: 9 Weeks				
Standards	Learning Target/Objective	Vocabulary	Suggested Assessments	Suggested Resources
<p>2.N.1 Compare and represent whole numbers up to 1,000 with an emphasis on place value and equality.</p> <p>2.A.1 Describe the relationship found in patterns to solve real-world and mathematical problems.</p>	<p>2.N.1.1-Students will read, write, discuss, and represent whole numbers up to 1,000.</p> <p>2.N.1.3-Students will use place value to describe whole numbers between 10 and 1,000.</p> <p>2.N.1.6-Students will use place value to compare and order numbers up to 1,000 using comparative language, numbers, and symbols.</p> <p>2.A.1.1-Students will represent, create, describe, complete, and extend growing and shrinking patterns with quantity and numbers in a variety of real world and mathematical contexts.</p>	<p>Place Value Ones Tens Hundreds</p>	<p>Envision Math Assessment</p> <p>Guided Math Place Value Assessment</p>	<p>Envision Math</p> <p>Guided Math</p> <p>Teachers Pay Teachers</p> <p>Xtra Math</p> <p>Pinterest</p>
<p>2.N.2 Add and subtract one and two digit numbers in real world and mathematical problems</p> <p>2.A.2 Use number sentences involving unknowns to represent</p>	<p>2.N.1.2- Students will use their knowledge of number relationships to locate a number on a number line.</p> <p>2.N.2.1-Students will use the relationship between addition and subtraction to generate basic facts up to 20.</p> <p>2.N.2.2-Students will demonstrate fluency with basic addition facts up to 20.</p> <p>2.A.2.1-Students will use objects and number lines to represent number sentences.</p>	<p>Addition Sum Number Lines</p>	<p>Understanding Addition Math Assessment</p> <p>Guided Math Addition Assessment</p>	<p>Envision Math</p> <p>Guided Math</p> <p>Teachers Pay Teachers</p> <p>Xtra Math</p> <p>Pinterest</p>

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and solve real world and mathematical problems.	2.A.2.2 -Students will generate real world situations to represent number sentences.		Addition Strategies Math Assessment	
2.N.2 Add and subtract one and two digit numbers in real world mathematical problems 2.A.2 Use number sentences involving unknowns to represent and solve real world and mathematical problems.	2.N.2.1 -Students will use the relationship between addition and subtraction to generate facts up to 20. 2.N.2.2 -Students will demonstrate fluency with basic subtraction facts up to 20. 2.A.2.1 -Students will use objects and number lines to represent number sentences. 2.A.2.2 -Students will generate real world situations to represent number sentences. 2.A.2.3 -Students will apply communitive and identity properties and number sense to find values for unknowns that make number sentences involving addition true or false.	Subtraction Difference Number Lines	Subtraction Strategies Assessment Guided Math Subtraction Strategies Assessment	Envision Math Guided Math Teachers Pay Teachers Xtra Math Pinterest
Subject: 2nd Grade Math		Updated: (4/24/19)		
2nd Quarter – Estimated Time: 9 Weeks				
Content Strands: Numbers and Operations, Algebraic Reasoning and Algebra				
Unit and Time Frame: 9 weeks				
2.N.2 Add and subtract one and two digit numbers in real world mathematical problems 2.A.2 Use number sentences involving	2.N.2.1 -Students will use the relationship between addition and subtraction to generate facts up to 20. 2.N.2.2 -Students will demonstrate fluency with basic subtraction facts up to 20.	Subtraction Difference Number Lines	Subtraction Strategies Math Assessment Guided Math Subtraction	Envision Math Guided Math Teachers Pay Teachers Xtra Math Pinterest

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<p>unknowns to represent and solve real world and mathematical problems.</p>	<p>2.A.2.1-Students will use objects and number lines to represent number sentences.</p> <p>2.A.2.2-Students will generate real world situations to represent number sentences.</p> <p>2.A.2.3-Students will apply communitive and identity properties and number sense to find values for unknowns that make number sentences involving subtraction true or false.</p>		<p>Strategies Math Assessment</p>	
<p>2.GM.1 Analyze attributes of two dimensional figures and develop generalizations about their properties.</p> <p>2.A.1 Describe the relationship found in patterns to solve real-world and mathematical problems.</p>	<p>2.GM.1.1-Students will recognize trapezoids and hexagons.</p> <p>2.GM.1.2-Students will describe, compare, and classify two dimensional figures according to their geometric attributes.</p> <p>2.GM.1.3-Students will compose two dimensional shapes using triangles, squares, hexagons, trapezoids, and rhombi.</p> <p>2.GM.1.4-Students will recognize right angles and classify angles as smaller or larger than a right angle.</p> <p>2.A.1.2-Students will represent and describe repeating patterns involving shapes in a variety of contexts.</p>	<p>Patterns Repeating Trapezoid Hexagon Two-Dimensiona l Triangle Square Hexagon Rhombi Right Angle Acute Angle Obtuse Angle Figures Faces Sides Edges Vertices</p>	<p>Geometry Assessment</p> <p>Guided Math Geometry Assessment</p> <p>Guided Math Angles Assessment</p>	<p>Envision Math Guided Math Teachers Pay Teachers Xtra Math Pinterest</p>
<p>2.N.3 Explore the foundational ideas of fractions.</p>	<p>2.N.3.1-Students will identify the parts of a set and area that represent fractions for halves, thirds, and fourths.</p>	<p>Fractions Halves Thirds Fourths</p>	<p>Fractions Assessment</p>	<p>Envision Math Guided Math Teachers Pay Teachers</p>

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	2.N.3.2-Students will construct equal sized portions through fair sharing including length, set, and area models for halves, thirds, and fourths.		Guided Math Fractions Assessment	Pinterest
Subject: 2nd Grade Math		Updated: (4/24/19)		
3rd Quarter – Estimated Time: 9 Weeks				
Content Strands: Number & Operations, Algebraic Reasoning & Algebra				
Unit and Time Frame: 9 weeks				
2.N.1 Compare and represent whole numbers up to 1,000 with an emphasis on place value and equality	2.N.1.4-Students will find 10 more or 10 less than a given three-digit number. Students will also find 100 more or 100 less than a given three-digit number. 2.N.1.5-Students will recognize when to round numbers to the nearest 10 and 100.	Rounding Whole Numbers Greater Than Symbol Less Than Symbol	Rounding Math Assessment Rounding Guided Math Assessment	Envision Math Guided Math Teachers Pay Teachers Pinterest
2.N.2 Add and subtract one and two digit numbers in real world and mathematical problems.	2.N.2.3-Students will estimate sums and differences up to 100. 2.N.2.4-Students will use strategies and algorithms based in knowledge of place value and equality to add and subtract two digit numbers. 2.N.2.5-Students will solve real world and mathematical addition and subtraction problems involving whole numbers up to 2 digits. 2.N.2.6-Students will use concrete models and structured arrangements, such as repeated addition, arrays, and ten frames to develop understanding of multiplication.	Estimate Regrouping	Addition with 2 Digits Assessment Subtraction with 2 Digit Assessment Guided Math Two Digit Addition & Subtraction Assessment	Envision Math Guided Math Teachers Pay Teachers Pinterest
2.N.4 Determine the value of a set of coins	2.N.4.1-Students will determine the value of a collection of coins up to one dollar using the cent symbol.	Cents Dollar	Money Assessment	Envision Math

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	2.N.4.2-Students will use a combination of coins to represent a given amount of money up to one dollar.	Penny Nickel Dime Quarter	Guided Math Money Assessment	Guided Math Teachers Pay Teachers Pinterest
Subject: 2nd Grade Mathematics		Updated: (4/24/19)		
4th Quarter – Estimated Time: 9 Weeks				
Content Strands: Geometry and Measurement, Data, and Probability				
Unit and Time Frame: 9 weeks				
2.GM.3 Tell time to the quarter hour.	2.GM.3.1-Students will read and write time to the quarter hour on an analog and digital clock. Students will also distinguish between a.m. and p.m.	Quarter Hour Analog Digital	Time and Temperature Math Assessment Time Guided Math Assessment	Envision Math Guided Math Teachers Pay Teachers Pinterest
2.GM.2 Understand length as a measurable attribute and explore capacity.	2.GM.2.1-Students will explain the relationship between the size of the unit of measurement and the number of units needed to measure the length of an object. 2.GM.2.2-Students will explain the relationship between the length and the numbers on a ruler to measure lengths to the nearest whole unit. 2.GM.2.3-Students will explore how varying shapes and styles of containers can have the same capacity.	Length Centimeters Inch Measure	Capacity and Weight Assessment Length and Area Assessment Guided Math Measurement Assessment	Envision Math Guided Math Teachers Pay Teachers Pinterest

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<p>2.D.1 Collect, organize, and interpret data.</p>	<p>2.D.1.1-Students will explain the length of a bar in a bar graph or the number of objects in a picture graph represents the number of data points for a given category.</p> <p>2.D.1.2-Students will organize a collection of data with up to four categories using pictographs, and bar graphs with intervals of 1s, 2s, 5s, or 10s.</p>	<p>Bar Graph Data Category Pictographs Conclusions Predictions</p>	<p>Graphs and Probability Assessment</p> <p>Graphing Guided Math Assessment</p>	<p>Envision Math Guided Math Teachers Pay Teachers Pinterest</p>
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