

**Jay Public Schools Curriculum Map
Second Grade Mathematics
2017 – 2018**

Subject: 2nd Grade Mathematics		Updated: 2018		
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>Topic 4 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</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>Addition Sum Number Lines</p>	<p>Topic 1 Envision 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>

unknowns to represent and solve real world and mathematical problems.	<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>		Topic 2 Envision Addition Strategies Math Assessment	Pinterest
<p>2.N.2 Add and subtract one and two digit numbers in real world mathematical problems</p> <p>2.A.2 Use number sentences involving unknowns to represent and solve real world and mathematical problems.</p>	<p>2.N.2.1-Students will use the relationship between addition and subtraction to generate facts up to 20.</p> <p>2.N.2.2-Students will demonstrate fluency with basic subtraction facts up to 20.</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 addition true or false.</p>	Subtraction Difference Number Lines	<p>Topic 3 Envision Math Subtraction Strategies Assessment</p> <p>Guided Math Subtraction Strategies Assessment</p>	<p>Envision Math</p> <p>Guided Math</p> <p>Teachers Pay Teachers</p> <p>Xtra Math</p> <p>Pinterest</p>
Subject: 2nd Grade Math		Updated: 2018		
2nd Quarter – Estimated Time: 9 Weeks				
Content Strands: Numbers and Operations, Algebraic Reasoning and Algebra				
Unit and Time Frame: 9 weeks				
<p>2.N.2 Add and subtract one and two digit numbers in real world mathematical problems</p> <p>2.A.2 Use number sentences involving</p>	<p>2.N.2.1-Students will use the relationship between addition and subtraction to generate facts up to 20.</p> <p>2.N.2.2-Students will demonstrate fluency with basic subtraction facts up to 20.</p>	Subtraction Difference Number Lines	<p>Topic 3 Envision Subtraction Strategies Math Assessment</p> <p>Guided Math Subtraction</p>	<p>Envision Math</p> <p>Guided Math</p> <p>Teachers Pay Teachers</p> <p>Xtra Math</p> <p>Pinterest</p>

<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- Dimensional Triangle Square Hexagon Rhombi Right Angle Acute Angle Obtuse Angle Figures Faces Sides Edges Vertices</p>	<p>Topic 11 Envision 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>Topic 12 Envision Fractions Assessment</p>	<p>Envision Math Guided Math Teachers Pay Teachers</p>

	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: 2018		
3rd 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	Topic Clocks Assessments 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	Topic Measurement Assessment Guided Math Measurement Assessment	Envision Math Guided Math Teachers Pay Teachers Pinterest
2.D.1 Collect, organize, and interpret data.	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. 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.	Bar Graph Data Category Pictographs Conclusions Predictions	Topic Data/Graphs Assessment Guided Math Graphing Assessment	Envision Math Guided Math Teachers Pay Teachers

	<p>2.D.1.3-Students will write and solve one-step word problems involving addition or subtraction using data represented within pictographs and bar graphs with intervals of one.</p> <p>2.D.1.4-Students will draw conclusions and make predictions from information in a graph.</p>			Pinterest
Subject: 2nd Grade Mathematics		Updated: 2018		
4th Quarter – Estimated Time: 9 Weeks				
Content Strands: Number & Operations, Algebraic Reasoning & Algebra				
Unit and Time Frame: 9 weeks				
<p>2.N.1 Compare and represent whole numbers up to 1,000 with an emphasis on place value and equality.</p>	<p>2.N.1.4-Students will find 10 more or 10 less than a given three digit number. Students will also 100 more or 100 less than a given three digit number.</p> <p>2.N.1.5-Students will recognize when to round numbers to the nearest 10 and 100</p>	<p>Rounding Whole Numbers Greater Than Symbol Less Than Symbol</p>	<p>Topic Rounding Envision Math Assessment</p> <p>Rounding Guided Math Assessment</p>	<p>Envision Math</p> <p>Guided Math</p> <p>Teachers Pay Teachers</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.N.2.3-Students will estimate sums and differences up to 100.</p> <p>2.N.2.4-Students will use strategies and algorithms based on knowledge of place value and equality to add and subtract two digit numbers.</p> <p>2.N.2.5-Students will solve real world and mathematical addition and subtraction problems involving whole numbers up to 2 digits.</p>	<p>Estimate Regrouping</p>	<p>Topic Addition with 2 Digits Assessment</p> <p>Topic Subtraction with 2 Digits Assessment</p> <p>Tow Digit Addition Guided</p>	<p>Envision Math</p> <p>Guided Math</p> <p>Teachers Pay Teachers</p> <p>Pinterest</p>

	<p>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.</p>		<p>Math Assessment</p> <p>Two Digit Subtraction Guided Math Assessment</p>	
<p>2.N.4 Determine the value of a set of coins.</p>	<p>2.N.4.1-Students will determine the value of a collection of coins up to one dollar using the cent symbol.</p> <p>2.N.4.2-Students will use a combination of coins to represent a given amount of money up to one dollar.</p>	<p>Cents Dollar Penny Nickel Dime Quarter</p>	<p>Topic Money Assessment</p> <p>Money Guided Math Assessment</p>	<p>Envision Math</p> <p>Guided Math</p> <p>Teachers Pay Teachers</p> <p>Pinterest</p>