

Saint Theresa of Avila School- West Roxbury, MA

Curriculum Maps

Subject: Math	Grade: First Grade
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Time Frame	Essential Question	Topic	Content	Resources	Assessments	Standards
September	How do you represent and solve problems using addition?	Topic 1: Understanding Addition (2 weeks)	<ol style="list-style-type: none"> <li>Spatial Patterns for Numbers to 10</li> <li>Making 6 and 7</li> <li>Making 8</li> <li>Making 9</li> <li>Introducing Addition Expressions and Number Sentences</li> <li>Stories About Joining</li> <li>Adding in Any Order</li> <li>Problem Solving: Use Objects</li> </ol>	Envision Lesson Packets  Part/Part/Whole Mat  Manipulatives  Ten Frame	Envision Assessment  Teacher Observation  Independent Practice  Participation	1.OA.1 1.OA.3 1.OA.7 1.OA.8 1.OA.MA.9
	How do you represent and solve problems using subtraction?	Topic 2: Understanding Subtraction (2 weeks)	<ol style="list-style-type: none"> <li>Finding Missing Parts of 6 and 7</li> <li>Finding Missing Parts of 8</li> <li>Finding Missing Parts of 9</li> <li>Introducing Subtraction Expressions and Number Sentences</li> <li>Stories About Taking Away</li> <li>Stories About Comparing</li> <li>Stories About Missing Parts</li> <li>All Kinds of Subtraction Stories</li> <li>Connecting Addition and Subtraction</li> <li>Connecting Models and Symbols</li> <li>Problem Solving: Act it Out</li> </ol>			1.OA.1 1.OA.4 1.OA.6 1.OA.7 1.OA.8 1.OA.MA.9

<b>October</b>	How can you organize data and use it to answer questions?	Topic 14: Using Data to Answer Questions (1.5 weeks)	<ol style="list-style-type: none"> <li>1. Using Data from Read Graphs</li> <li>2. Using Data from Picture Graphs</li> <li>3. Using Data from Bar Graphs</li> <li>4. Collecting Data Using Tally Marks</li> <li>5. Making Real Graphs</li> <li>6. Making Picture Graphs</li> <li>7. Problem Solving: Make a Graph</li> </ol>	Envision Lesson Packets  Manipulatives  Ten Frame	Envision Assessment  Teacher Observation  Independent Practice  Participation	1.MD.4
	How do you represent numbers and finding the missing part using ten frames?	Topic 3: Five and Ten Relationships (2 weeks)	<ol style="list-style-type: none"> <li>1. Representing Numbers on a Ten Frame</li> <li>2. Recognizing Numbers on a Ten Frame</li> <li>3. Parts of 10</li> <li>4. Finding Missing Parts of 10</li> <li>5. Problem Solving: Make a Table</li> </ol>			1.OA.4 1.OA.5 1.OA.6 1.OA.8
<b>November</b>	How do you represent and solve problems using addition and subtraction?	Topic 4: Addition and Subtraction Facts to 12 (2 weeks, starting in Oct.)	<ol style="list-style-type: none"> <li>1. Adding with 0, 1, 2</li> <li>2. Doubles</li> <li>3. Near Doubles</li> <li>4. Facts with 5 on a Ten Frame</li> <li>5. Making 10 on a Ten Frame</li> <li>6. Subtracting with 0, 1, 2</li> <li>7. Thinking Addition</li> <li>8. Thinking Addition to 8 to Subtract</li> <li>9. Thinking Addition to 12 to Subtract</li> <li>10. Problem Solving: Draw a Picture and Write a Number Sentence</li> </ol>	Envision Lesson Packets  Manipulatives  Ten Frame  Connecting Cubes  Paper Clips  Objects to Measure	Envision Assessment  Teacher Observation  Independent Practice  Participation	1.OA.1 1.OA.3 1.OA.4 1.OA.5 1.OA.6 1.OA.7 1.OA.8 1.OA.MA.9
	How can you compare and order objects by length?	Topic 12: Length (1.5 weeks)	<ol style="list-style-type: none"> <li>1. Comparing and Ordering by Length</li> <li>2. Indirect Measurement</li> </ol>			1.MD.1 1.MD.2

			<ol style="list-style-type: none"> <li>3. Using Units to Estimate and Measure Length</li> <li>4. More Measuring Length</li> <li>5. Problem Solving: Use Reasoning</li> <li>6. Measuring Using Different Units</li> </ol>			
<b>December</b>	How do you use strategies to add within 20?	Topic 5: Addition Facts to 20 (2 weeks)	<ol style="list-style-type: none"> <li>1. Doubles</li> <li>2. Doubles Plus 1</li> <li>3. Doubles Plus 2</li> <li>4. Problem Solving: Two-Question Problems</li> <li>5. Making 10 to Add</li> <li>6. Making 10 to Add 9</li> <li>7. Making 10 to Add 8</li> <li>8. Adding Three Numbers</li> <li>9. Word Problems with Three Addends</li> </ol>	Envision Lesson Packets  Counters  Ten Frame  Double Ten Frame Mat  Connecting Cubes	Envision Assessment  Teacher Observation  Independent Practice  Participation  Timed Addition Tests	1.OA.1 1.OA.2 1.OA.3 1.OA.6 1.OA.7 1.OA.8
<b>January</b>	How do you use strategies to subtract within 20?	Topic 6: Subtraction Facts to 20 (2 weeks)	<ol style="list-style-type: none"> <li>1. Making 10 to Subtract</li> <li>2. More with Making 10 to Subtract</li> <li>3. Using Related Facts</li> <li>4. Fact Families</li> <li>5. Using Addition to Subtract</li> <li>6. Subtraction Facts</li> <li>7. Problem Solving: Draw a Picture and Write a Number Sentence</li> </ol>	Envision Lesson Packets  Counters  Ten Frame  Double Ten Frame Mat  Part/Part/Whole Mat  Mini Ten Frames  Hundred Chart	Envision Assessment  Teacher Observation  Independent Practice  Participation  Timed Addition Tests	1.OA.1 1.OA.4 1.OA.6 1.OA.8 1.OA.MA.9
	What number patterns are there	Topic 7: Counting and Number Patterns to 120 (2 weeks)	<ol style="list-style-type: none"> <li>1. Making Numbers 11-19</li> <li>2. Using Numbers 11-19</li> <li>3. Counting by 10s to 120</li> <li>4. Counting on a Hundred Chart</li> </ol>			1.NBT.1 1.NBT.2 1.NBT.2.a 1.NBT.2.b

	when counting to 120?		<ol style="list-style-type: none"> <li>Using Skip Counting</li> <li>Problem Solving: Look for a Pattern</li> </ol>			1.NBT.2.c
<b>February</b>	How can numbers 10 and higher be shown, counted, read, and written?	Topic 8: Tens and Ones (1.5 weeks)	<ol style="list-style-type: none"> <li>Counting with Groups of 10 and Leftovers</li> <li>Numbers Made with Tens</li> <li>Tens and Ones</li> <li>Expanded Form</li> <li>Ways to Make Numbers</li> <li>Make and Organized List</li> </ol>	Envision Lesson Packets  Tens/Ones Place Value Mat  Base 10 Blocks  Cubes  Hundred Chart	Envision Assessment  Teacher Observation  Independent Practice  Participation  Timed Addition Tests	1.NBT.2 1.NBT.2.a 1.NBT.2.c
	How can numbers to 100 be compared and ordered?	Topic 9: Comparing and Ordering Numbers to 100 (2 weeks)	<ol style="list-style-type: none"> <li>1 More, 1 Less; 10 More, 10 Less</li> <li>Making Numbers on a Hundred Chart</li> <li>Comparing Numbers with <math>&lt;</math>, <math>&gt;</math>, <math>=</math></li> </ol>			1.NBT.2 1.NBT.3 1.NBT.4 1.NBT.5
<b>March</b>		Topic 9: Comparing and Ordering Numbers to 100 (2 weeks, started in February)	<ol style="list-style-type: none"> <li>Ordering 3 Numbers</li> <li>Make an Organized List</li> </ol>	Envision Lesson Packets  Hundred Chart  Pattern Blocks  Solid Figures	Envision Assessment  Teacher Observation  Independent Practice  Participation  Timed Addition Tests	1.NBT.1 1.NBT.3
	How can shapes and solids be described, compared, and used to make other shapes?	Topic 15: Geometry (2 weeks)	<ol style="list-style-type: none"> <li>Identifying Plane Shapes</li> <li>Make an Organized List</li> <li>Properties of Plane Shapes</li> <li>Building with Shapes</li> <li>Making New Shapes from Shapes</li> <li>Identifying Solid Figures</li> </ol>			1.G.1 1.G.2

	How can you build, draw, and divide shapes?	Topic 16: Fractions of Shapes (1 week)	<ol style="list-style-type: none"> <li>7. Flat Surfaces and Vertices</li> <li>8. Sorting Solid Figures</li> <li>9. Building with Solid Figures</li> <li>10. Use Reasoning</li> </ol> <ol style="list-style-type: none"> <li>1. Making Equal Parts</li> <li>2. Describing Equal Parts of Whole Objects</li> <li>3. Making Halves and Fourths of Rectangles and Circles</li> <li>4. Draw a Picture</li> </ol>			1.G.3
<b>April</b>	What are ways to add two-digit numbers?	Topic 10: Adding with Tens and Ones (2 weeks)	<ol style="list-style-type: none"> <li>1. Adding Groups of 10</li> <li>2. Adding Tens on a Hundred Chart</li> <li>3. Adding Tens to Two-Digit Numbers</li> <li>4. Using Mental Math to Add Tens</li> <li>5. Adding to a Two-Digit Number</li> <li>6. Draw a Picture and Write a Number Sentence</li> </ol>	Envision Lesson Packets  Hundred Chart  Manipulatives  Tens/Ones Place Value Mat	Envision Assessment  Teacher Observation  Independent Practice  Participation  Timed Addition Tests	1.NBT.4 1.NBT.5 1.NBT.6
	What are ways to subtract two-digit numbers?	Topic 11: Subtracting with Tens and Ones (2 weeks)	<ol style="list-style-type: none"> <li>1. Subtracting Groups of 10</li> <li>2. Subtracting Tens on a Hundred Chart</li> <li>3. Subtracting Tens from Two-Digit Numbers</li> <li>4. Using Mental Math to Subtract Tens</li> </ol>			
<b>May</b>		Topic 11: Subtracting with Tens and Ones (2 weeks, started in April)	<ol style="list-style-type: none"> <li>1. Subtracting from a Two-Digit Number</li> <li>2. Draw a Picture and Write a Number Sentence</li> </ol>	Envision Lesson Packets  Hundred Chart  Manipulatives  Tens/Ones Place Value Mat	Envision Assessment  Teacher Observation  Independent Practice  Participation  Timed Addition Tests	1.NBT.5 1.NBT.6

	How can clocks and schedules be read and used?	Topic 13: Time (1 week)	<ol style="list-style-type: none"> <li>1. Understanding the Hour and Minute Hands</li> <li>2. Telling and Writing Time to the Hour</li> <li>3. Telling and Writing Time to the Half Hour</li> <li>4. Use Data From a Table</li> </ol>	<p>Judy Clock</p> <p>Student clocks</p>		1.MD.3
<b>June</b>	What is the worth, comparative value, and equivalent values of each US coin and how do you add or subtract money?	<p>Topic: Money (2 weeks)</p> <p>Grade 1 Topic Review</p>	<ol style="list-style-type: none"> <li>1. Pennies</li> <li>2. Pennies and Nickels: Comparative and Equivalent Values</li> <li>3. Using Pennies and Nickels</li> <li>4. Pennies, Nickels, and Dimes: Comparative and Equivalent Values</li> <li>5. Using Pennies, Nickels, and Dimes</li> <li>6. Pennies, Nickels, Dimes, and Quarters: Comparative and Equivalent Values</li> <li>7. Using Pennies, Nickels, Dimes, and Quarters</li> </ol>	<p>Teacher Created Materials and Worksheets</p> <p>Money</p> <p>Large Coin Anchors</p>	<p>Teacher Created Assessment</p> <p>Teacher Observation</p> <p>Independent Practice</p> <p>Participation</p> <p>Timed Addition Tests</p>	1.MD.MA.5