

First Grade Math Curriculum Map with Learning Targets Attached at bottom

Grade Level: First	School: Brookfield Elementary	
Subject: Math	Date : February 2014 (updated)	
<h1>SEPTEMBER</h1>	<p><b>Topics &amp; Concepts:</b>  <b>Mathematical Practices:</b></p> <ol style="list-style-type: none"> <li>2. Reason abstractly and quantitatively.</li> <li>4. Model with mathematics.</li> <li>5. Use appropriate tools strategically</li> <li>7. Look for and make use of structure.</li> </ol>	
<b>Content Standards</b>	<b>Resources</b>	<b>Assessments</b>
<p><b><u>Operations and Algebraic Thinking</u></b></p> <p><b>Represent and solve problems involving addition and subtraction.</b>  <b>1.OA.1</b> Use addition and subtraction within 20 to solve word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using objects, drawings, and equations with a symbol for the unknown number to represent the problem.</p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p> <p>Chapter 1 Addition Concepts</p> <p>Chapter 2 Subtraction Concepts</p> <p>Post and review learning targets daily</p> <p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>HMH Go Math series</p> <p>PARRC Assessment</p> <p>Chapter 1 Practice Quiz Chapter 1 Final Test</p> <p>Chapter 2 Practice Quiz</p> <p>Weekly Math fact assessments</p> <p>Math Packet 1<sup>st</sup> Grade assessments</p> <p>Daily teacher observations and oral assessments to provide further evidence of student learning</p>
<p><b>Understand and apply properties of operations and the relationship between addition and subtraction.</b>  <b>1.OA.3</b> Apply properties of operations as strategies to add and subtract. <i>Examples: If <math>8 + 3 = 11</math> is known, then <math>3 + 8 = 11</math> is also known (commutative property of</i></p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p> <p>Chapter 1 Addition Concepts</p> <p>Chapter 2 Subtraction Concepts</p> <p>Post and review learning targets daily</p>	<p>HMH Go Math series</p> <p>Chapter 1 Practice Quiz Chapter 1 Final Test</p> <p>Chapter 2 Practice Quiz</p> <p>Weekly Math fact assessments</p>

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<p><i>addition). To add <math>2 + 6 + 4</math>, the second two numbers can be added to make a ten, so <math>2 + 6 + 4 = 2 + 10 = 12</math> (associative property of addition).</i></p>	<p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>Daily teacher observations and oral assessments to provide further evidence of student learning</p>
<p><b>Add and subtract within 20</b>  <b>1.OA.6</b> Add and subtract within 20, demonstrating fluency for addition and subtraction within 10.</p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p> <p>Chapter 1 Addition Concepts</p> <p>Chapter 2 Subtraction Concepts</p> <p>Post and review learning targets daily</p> <p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>HMH Go Math series</p> <p>Chapter 1 Practice Quiz</p> <p>Chapter 1 Final Test</p> <p>Chapter 2 Practice Quiz</p> <p>Weekly Math fact assessments</p> <p>Daily teacher observations and oral assessments to provide further evidence of student learning</p>

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Grade Level: First	School: Brookfield Elementary	
Subject: Math	Date: February 2014 (updated)	
<h1>OCTOBER</h1>	<p><b>Topics &amp; Concepts:</b></p> <p><b>Mathematical Practices:</b></p> <ol style="list-style-type: none"> <li>2. Reason abstractly and quantitatively.</li> <li>3. Construct viable arguments and critique the reasoning of others.</li> <li>5. Use appropriate tools strategically.</li> <li>6. Attend to precision.</li> </ol>	
Content Standards	Resources	Assessments
<p><b><u>Operations and Algebraic Thinking</u></b></p> <p><b>Represent and solve problems involving addition and subtraction.</b></p> <p><b>1.OA.1</b> Use addition and subtraction within 20 to solve word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using objects, drawings, and equations with a symbol for the unknown number to represent the problem.</p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p> <p>Chapter 2 Subtraction Concepts</p> <p>Post and review learning targets daily</p> <p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>HMH Go Math series</p> <p>Chapter 2 Final Test</p> <p>Weekly Math Fact Tests</p> <p>Math Packet 1<sup>st</sup> Grade assessments</p> <p>Teacher observations and oral assessments to provide further evidence of student learning</p>
<p><b>Add and subtract within 20</b></p> <p><b>1.OA.6</b> Add and subtract within 20, demonstrating fluency for addition and subtraction within</p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p>	<p>HMH Go Math series</p> <p>Chapter 2 Final Test</p>

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<p>10. Understand and apply properties of operations and the relationship between addition and subtraction.</p>	<p>Chapter 2 Subtraction Concepts</p> <p>Post and review learning targets daily</p> <p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>Weekly Math Fact Tests</p> <p>Math Packet 1<sup>st</sup> Grade assessments</p> <p>Teacher observations and oral assessments to provide further evidence of student learning</p>
<p><b>Work with addition and subtraction equations.</b>  <b>1.OA.8</b> Determine the unknown whole number in an addition or subtraction equation relating three whole numbers.</p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p> <p>Chapter 2 Subtraction Concepts</p> <p>Post and review learning targets daily</p> <p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>HMH Go Math series</p> <p>Chapter 2 Final Test</p> <p>Weekly Math Fact Tests</p> <p>Math Packet 1<sup>st</sup> Grade assessments</p> <p>Teacher observations and oral assessments to provide further evidence of student learning</p>
<p><b><u>Measurement and Data</u></b></p> <p><b>Represent and interpret data.</b>  <b>1.MD.4</b> Organize, represent, and interpret data with up to three categories; ask and answer questions about the total number of data points, how many in each category, and how many more or less are in one category than in another.</p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p> <p>Chapter 10 Represent Data</p> <p>Post and review learning targets daily</p> <p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>HMH Go Math series</p> <p>Chapter 10 Practice Quiz</p> <p>Chapter 10 Final Test</p> <p>Math Packet 1<sup>st</sup> Grade assessments</p> <p>Teacher observations and oral assessments to provide further evidence of student learning</p>

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Subject: Math	Date: February 2014 (updated)	
<h1>NOVEMBER</h1>		<p><b>Topics &amp; Concepts:</b></p> <p><b>Mathematical Practices:</b></p> <p>6. <i>Attend to precision.</i></p> <p>8. <i>Look for and express regularity in repeated reasoning.</i></p>
Content Standards	Resources	Assessments
<p><b><u>Operations and Algebraic Thinking</u></b></p> <p><b>Represent and solve problems involving addition and subtraction.</b></p> <p><b>1.OA.1</b> Use addition and subtraction within 20 to solve word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using objects, drawings, and equations with a symbol for the unknown number to represent the problem.</p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p> <p>Chapter 3 Addition Strategies</p> <p>Post and review learning targets daily</p> <p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>HMH Go Math series</p> <p>Chapter 3 Practice Quiz</p> <p>Chapter 3 Final Test</p> <p>Weekly Math Fact Tests</p> <p>Math Packet 1<sup>st</sup> Grade assessments</p> <p>Teacher observations and oral assessments to provide further evidence of student learning</p>
<p><b>Understand and apply properties of operations and the relationship between addition and subtraction.</b></p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p>	<p>HMH Go Math series</p> <p>Chapter 3 Practice Quiz</p> <p>Chapter 3 Final Test</p>

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<p><b>1.OA.4</b> Apply properties of operations as strategies to add and subtract. <i>Examples: If <math>8 + 3 = 11</math> is known, then <math>3 + 8 = 11</math> is also known (commutative property of addition). To add <math>2 + 6 + 4</math>, the second two numbers can be added to make a ten, so <math>2 + 6 + 4 = 2 + 10 = 12</math> (associative property of addition).</i></p>	<p>Chapter 3 Addition Strategies</p> <p>Post and review learning targets daily</p> <p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>Weekly Math Fact Tests</p> <p>Math Packet 1<sup>st</sup> Grade assessments</p> <p>Teacher observations and oral assessments to provide further evidence of student learning</p>
<p><b>Add and subtract within 20.</b> <b>1.OA.5</b> Relate counting to addition and subtraction, (e.g., by counting on 2 to add 2).</p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p> <p>Chapter 3 Addition Strategies</p> <p>Post and review learning targets daily</p> <p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>HMH Go Math series</p> <p>Chapter 3 Practice Quiz Chapter 3 Final Test</p> <p>Weekly Math Fact Tests</p> <p>Math Packet 1<sup>st</sup> Grade assessments</p> <p>Teacher observations and oral assessments to provide further evidence of student learning</p>
<p><b>Add and subtract within 20</b> <b>1.OA.6</b> Add and subtract within 20, <b>demonstrating fluency for addition and subtraction within 10.</b></p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p> <p>Chapter 3 Addition Strategies</p> <p>Post and review learning targets daily</p> <p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>HMH Go Math series</p> <p>Chapter 3 Practice Quiz Chapter 3 Final Test</p> <p>Weekly Math Fact Tests</p> <p>Math Packet 1<sup>st</sup> Grade assessments</p> <p>Teacher observations and oral assessments to provide further evidence of student learning</p>

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<p><b>Work with addition and subtraction equations.</b> <b>1.OA.8</b> Determine the unknown whole number in an addition or subtraction equation relating three whole numbers.</p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p> <p>Chapter 3 Addition Strategies</p> <p>Post and review learning targets daily</p> <p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>HMH Go Math series</p> <p>Chapter 3 Practice Quiz Chapter 3 Final Test</p> <p>Weekly Math Fact Tests</p> <p>Math Packet 1<sup>st</sup> Grade assessments</p> <p>Teacher observations and oral assessments to provide further evidence of student learning</p>
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Grade Level: First		School: Brookfield Elementary
Subject: Math		Date: February 2014 (updated)
<h1>DECEMBER</h1>		<p><b>Topics &amp; Concepts:</b></p> <p><b>Mathematical Practices:</b></p> <ul style="list-style-type: none"> <li>2. Reason abstractly and quantitatively.</li> <li>4. Model with mathematics.</li> <li>8. Look for and express regularity in repeated reasoning.</li> </ul>
Content Standards	Resources	Assessments
<p><b><u>Operations and Algebraic Thinking</u></b></p> <p><b>Represent and solve problems involving addition and subtraction.</b></p> <p><b>1.OA.1</b> Use addition and subtraction within 20 to solve word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using objects, drawings, and equations with a symbol for the unknown number to represent the problem.</p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p> <p>Chapter 4 Subtraction Strategies</p> <p>Post and review learning targets daily</p> <p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>HMH Go Math series</p> <p>Chapter 4 Practice Quiz</p> <p>Chapter 4 Final Test</p> <p>Weekly Math Fact Tests</p> <p>Math Packet 1<sup>st</sup> Grade assessments</p> <p>Teacher observations and oral assessments to provide further evidence of student learning</p>
<p><b>Understand and apply properties of operations and the relationship between addition and subtraction.</b></p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p>	<p>HMH Go Math series</p> <p>Chapter 4 Practice Quiz</p>

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<p><b>1.OA.4</b> Understand subtraction as an unknown-addend problem. <i>For example, subtract <math>10 - 8</math> by finding the number that makes 10 when added to 8</i></p>	<p>Chapter 4 Subtraction Strategies</p> <p>Post and review learning targets daily</p> <p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>Chapter 4 Final Test</p> <p>Weekly Math Fact Tests</p> <p>Math Packet 1<sup>st</sup> Grade assessments</p> <p>Teacher observations and oral assessments to provide further evidence of student learning</p>
<p><b>Add and subtract within 20.</b> <b>1.OA.5</b> Relate counting to addition and subtraction, (e.g., by counting on 2 to add 2).</p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p> <p>Chapter 4 Subtraction Strategies</p> <p>Post and review learning targets daily</p> <p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>HMH Go Math series</p> <p>Chapter 4 Practice Quiz</p> <p>Chapter 4 Final Test</p> <p>Weekly Math Fact Tests</p> <p>Math Packet 1<sup>st</sup> Grade assessments</p> <p>Teacher observations and oral assessments to provide further evidence of student learning</p>
<p><b>Add and subtract within 20</b> <b>1.OA.6</b> Add and subtract within 20, <b>demonstrating fluency for addition and subtraction within 10.</b></p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p> <p>Chapter 4 Subtraction Strategies</p> <p>Post and review learning targets daily</p> <p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>HMH Go Math series</p> <p>Chapter 4 Practice Quiz</p> <p>Chapter 4 Final Test</p> <p>Weekly Math Fact Tests</p> <p>Math Packet 1<sup>st</sup> Grade assessments</p> <p>Teacher observations and oral assessments to provide further evidence of student learning</p>
<p><b>Work with addition and</b></p>	<p>Model Curriculum from Ohio State Standards for Math</p>	

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<p><b>subtraction equations.</b> <b>1.OA.8</b> Determine the unknown whole number in an addition or subtraction equation relating three whole numbers.</p>	<p>HMH Go Math series</p> <p>Chapter 4 Subtraction Strategies</p> <p>Post and review learning targets daily</p> <p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>HMH Go Math series</p> <p>Chapter 4 Practice Quiz</p> <p>Chapter 4 Final Test</p> <p>Weekly Math Fact Tests</p> <p>Math Packet 1<sup>st</sup> Grade assessments</p> <p>Teacher observations and oral assessments to provide further evidence of student learning</p>
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Grade Level: First	School: Brookfield Elementary	
Subject: Math	Date: February 2014 (updated)	
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%; text-align: center;"> <h1>JANUARY</h1> </div> <div style="width: 50%;"> <p><b>Topics &amp; Concepts:</b></p> <p><b>Mathematical Practices:</b></p> <ol style="list-style-type: none"> <li>3. <i>Construct viable arguments and critique the reasoning of others.</i></li> <li>4. <i>Model with mathematics.</i></li> <li>5. <i>Use appropriate tools strategically</i></li> <li>6. <i>Attend to precision.</i></li> <li>7. <i>Look for and make use of structure</i></li> </ol> </div> </div>		
<b>Content Standards</b>	<b>Resources</b>	<b>Assessments</b>
<p><b><u>Operations and Algebraic Thinking</u></b></p> <p><b>Represent and solve problems involving addition and subtraction.</b></p> <p><b>1.OA.1</b> Use addition and subtraction within 20 to solve word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using objects,</p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p> <p>Chapter 5 Addition and Subtraction Relationships</p> <p>Post and review learning targets daily</p> <p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>HMH Go Math series</p> <p>Chapter 5 Practice Quiz</p> <p>Chapter 5 Final Test</p> <p>Weekly Math Fact Tests</p> <p>Math Packet 1<sup>st</sup> Grade assessments</p> <p>Teacher observations and oral assessments to provide further evidence of student learning</p>

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<p>drawings, and equations with a symbol for the unknown number to represent the problem.</p>		
<p><b>Add and subtract within 20. 1.OA.6</b> Add and subtract within 20, demonstrating fluency for addition and subtraction within 10.</p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p> <p>Chapter 5 Addition and Subtraction Relationships</p> <p>Chapter 6 Count and Model Numbers</p> <p>Post and review learning targets daily</p> <p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>HMH Go Math series</p> <p>Chapter 5 Practice Quiz</p> <p>Chapter 5 Final Test</p> <p>Weekly Math Fact Tests</p> <p>Math Packet 1<sup>st</sup> Grade assessments</p> <p>Teacher observations and oral assessments to provide further evidence of student learning</p>
<p><b>Work with addition and subtraction equations. 1.OA.7</b> Understand the meaning of the equal sign, and determine if equations involving addition and subtraction are true or false.</p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p> <p>Chapter 5 Addition and Subtraction Relationships</p> <p>Post and review learning targets daily</p> <p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>HMH Go Math series</p> <p>Chapter 5 Practice Quiz</p> <p>Chapter 5 Final Test</p> <p>Weekly Math Fact Tests</p> <p>Math Packet 1<sup>st</sup> Grade assessments</p> <p>Teacher observations and oral assessments to provide further evidence of student learning</p>

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<p><b>1.OA.8</b> Determine the unknown whole number in an addition or subtraction equation relating three whole numbers.</p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p> <p>Chapter 5 Addition and Subtraction Relationships</p> <p>Post and review learning targets daily</p> <p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>HMH Go Math series</p> <p>Chapter 5 Practice Quiz Chapter 5 Final Test</p> <p>Weekly Math Fact Tests</p> <p>Math Packet 1<sup>st</sup> Grade assessments</p> <p>Teacher observations and oral assessments to provide further evidence of student learning</p>
<p><b><u>Number and Operations in Base Ten</u></b></p> <p><b>Understand place value</b> <b>1.NBT.2</b> Understand that the two digits of a two-digit number represent amounts of tens and ones. Understand the following as special cases: a. 10 can be thought of as a bundle of ten ones — called a “ten.” b. The numbers from 11 to 19 are composed of a ten and one, two, three, four, five, six, seven, eight, or nine ones. c. The numbers 10, 20, 30, 40, 50, 60, 70, 80, 90 refer to one, two, three, four, five, six, seven, eight, or nine tens (and 0 ones).</p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p> <p>Chapter 6 Count and Model Numbers</p> <p>Post and review learning targets daily</p> <p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>HMH Go Math series</p> <p>Chapter 6 Practice Quiz</p> <p>Weekly Math Fact Tests</p> <p>Math Packet 1<sup>st</sup> Grade assessments</p> <p>Teacher observations and oral assessments to provide further evidence of student learning</p>
<p><b><u>Number and Operations in Base Ten</u></b></p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p>	<p>HMH Go Math series</p> <p>Chapter 6 Practice Quiz</p>

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<p><b>Understand place value</b> <b>1.NBT.3</b> Compare two two-digit numbers based on meanings of the tens and ones digits, recording the results of comparisons with the symbols <math>&gt;</math>, <math>=</math>, and <math>&lt;</math>.</p>	<p>Chapter 6 Count and Model Numbers</p> <p>Post and review learning targets daily</p> <p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>Weekly Math Fact Tests</p> <p>Math Packet 1<sup>st</sup> Grade assessments</p> <p>Teacher observations and oral assessments to provide further evidence of student learning</p>
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Grade Level: First		School: Brookfield Elementary
Subject: Math		Date: February 2014 (updated)
<h1>FEBRUARY</h1>		<p><b>Topics &amp; Concepts:</b></p> <p><b>Mathematical Practices:</b></p> <ol style="list-style-type: none"> <li>5. <i>Use appropriate tools strategically.</i></li> <li>6. <i>Attend to precision.</i></li> <li>7. <i>Look for and make use of structure.</i></li> <li>8. <i>Look for and express regularity in repeated reasoning.</i></li> </ol>
<b>Content Standards</b>	<b>Resources</b>	<b>Assessments</b>
<p><b><u>Number and Operations in Base Ten</u></b></p> <p><b>Extend the counting sequence.</b>  <b>1.NBT.1</b> Count to 120, starting at any number less than 120. In this range, read and write numerals and represent a number of objects with a written numeral.</p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p> <p>Chapter 6 Count and Model Numbers</p> <p>Post and review learning targets daily</p> <p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>HMH Go Math series</p> <p>Chapter 6 Final Test</p> <p>Weekly Math Fact Tests</p> <p>Math Packet 1<sup>st</sup> Grade assessments</p> <p>Teacher observations and oral assessments to provide further evidence of student learning</p>
<p><b><u>Number and Operations in Base Ten</u></b></p> <p><b>Understand place value.</b> <b>1.NBT.2</b>          Understand that the two digits of a two-digit number represent amounts of tens</p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p> <p>Chapter 6 Count and Model Numbers</p> <p>Post and review learning targets daily</p>	<p>HMH Go Math series</p> <p>Chapter 6 Final Test</p> <p>Weekly Math Fact Tests</p> <p>Math Packet 1<sup>st</sup> Grade assessments</p>

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<p>and ones. Understand the following as special cases:</p> <p>a. 10 can be thought of as a bundle of ten ones — called a “ten.”</p> <p>b. The numbers from 11 to 19 are composed of a ten and one, two, three, four, five, six, seven, eight, or nine ones.</p> <p>c. The numbers 10, 20, 30, 40, 50, 60, 70, 80, 90 refer to one, two, three, four, five, six, seven, eight, or nine tens (and 0 ones).</p>	<p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>Teacher observations and oral assessments to provide further evidence of student learning</p>
<p><b><u>Number and Operations in Base Ten</u></b></p> <p><b>Understand place value. 1.NBT.3</b> Compare two two-digit numbers based on meanings of the tens and ones digits, recording the results of comparisons with the symbols <math>&gt;</math>, <math>=</math>, and <math>&lt;</math>.</p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p> <p>Chapter 6 Count and Model Numbers</p> <p>Chapter 7 Compare Numbers</p> <p>Post and review learning targets daily</p> <p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>HMH Go Math series</p> <p>Chapter 6 Final Test</p> <p>Chapter 7 Practice Quiz</p> <p>Chapter 7 Final Test</p> <p>Weekly Math Fact Tests</p> <p>Math Packet 1<sup>st</sup> Grade assessments</p> <p>Teacher observations and oral assessments to provide further evidence of student learning</p>
<p><b>Use place value understanding and properties of operations to add and subtract. 1.NBT.5</b> Given a two-digit number, mentally find 10 more or 10 less than the number, without having to count; explain the reasoning used.</p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p> <p>Chapter 7 Compare Numbers</p> <p>Post and review learning targets daily</p>	<p>HMH Go Math series</p> <p>Chapter 7 Practice Quiz</p> <p>Chapter 7 Final Test</p> <p>Weekly Math Fact Tests</p>

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	<p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>Math Packet 1<sup>st</sup> Grade assessments</p> <p>Teacher observations and oral assessments to provide further evidence of student learning</p>
<p><b><u>Operations and Algebraic Thinking</u></b></p> <p><b>Work with addition and subtraction equations.</b></p> <p><b>1.OA.7</b> Understand the meaning of the equal sign, and determine if equations involving addition and subtraction are true or false.</p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p> <p>Chapter 7 Compare Numbers</p> <p>Post and review learning targets daily</p> <p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>HMH Go Math series</p> <p>Chapter 7 Practice Quiz</p> <p>Chapter 7 Final Test</p> <p>Weekly Math Fact Tests</p> <p>Math Packet 1<sup>st</sup> Grade assessments</p> <p>Teacher observations and oral assessments to provide further evidence of student learning</p>

Grade Level: First	School: Brookfield Elementary	
Subject: Math	Date: February 2014 (updated)	
<p><b>MARCH</b></p> <p><b>Topics &amp; Concepts:</b>  <b>Mathematical Practices:</b></p> <ol style="list-style-type: none"> <li>1. <i>Make sense of problems and persevere in solving them.</i></li> <li>2. <i>Reason abstractly and quantitatively.</i></li> <li>3. <i>Construct viable arguments and critique the reasoning of others.</i></li> <li>8. <i>Look for and express regularity in repeated reasoning.</i></li> </ol>		
<b>Content Standards</b>	<b>Resources</b>	<b>Assessments</b>
<p><b><u>Operations and Algebraic Thinking</u></b></p> <p><b>Add and subtract within 20</b>  <b>1.OA.6</b> Add and subtract within 20, <b>demonstrating fluency for addition and subtraction within 10</b> using different strategies.</p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p> <p>Chapter 8 Two-Digit Addition and Subtraction</p> <p>Post and review learning targets daily</p> <p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>HMH Go Math series</p> <p>Chapter 8 Practice Quiz Chapter 8 Final Test</p> <p>Weekly Math Fact Tests</p> <p>Math Packet 1<sup>st</sup> Grade assessments</p> <p>Teacher observations and oral assessments to provide further evidence of student learning</p>
<p><b><u>Number and Operations in Base Ten</u></b></p> <p><b>Use place value understanding and properties of operations to add and subtract. 1.NBT.4</b>  Add within 100, including adding a</p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p> <p>Chapter 8 Two-Digit Addition and Subtraction</p> <p>Post and review learning targets daily</p>	<p>HMH Go Math series</p> <p>Chapter 8 Practice Quiz Chapter 8 Final Test</p> <p>Weekly Math Fact Tests</p> <p>Math Packet 1<sup>st</sup> Grade assessments</p>

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<p>two-digit number and a one-digit number, and adding a two-digit number and a multiple of 10, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used. Understand that in adding two-digit numbers, one adds tens and tens, ones and ones; and sometimes it is necessary to compose a ten.</p>	<p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>Teacher observations and oral assessments to provide further evidence of student learning</p>
<p><b>1.NBT.6</b> Subtract multiples of 10 in the range 10-90 from multiples of 10 in the range 10-90 (positive or zero differences), using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used.</p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p> <p>Chapter 8 Two-Digit Addition and Subtraction</p> <p>Post and review learning targets daily</p> <p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>HMH Go Math series</p> <p>Chapter 8 Practice Quiz Chapter 8 Final Test</p> <p>Weekly Math Fact Tests</p> <p>Math Packet 1<sup>st</sup> Grade assessments</p> <p>Teacher observations and oral assessments to provide further evidence of student learning</p>
<p><b><u>Measurement and Data</u></b></p> <p><b>Measure lengths indirectly and by iterating length units. 1.MD.1</b> Order three objects by length; compare the lengths of two objects indirectly by using a third object.</p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p> <p>Chapter 9 Measurement</p> <p>Post and review learning targets daily</p> <p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for</p>	<p>HMH Go Math series</p> <p>Chapter 9 Practice Quiz</p> <p>Weekly Math Fact Tests</p> <p>Math Packet 1<sup>st</sup> Grade assessments</p> <p>Teacher observations and oral assessments to provide further evidence of</p>

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	student grouping Math Jumpstart sheets from Scholastic	student learning
<p><b>1.MD.2</b> Express the length of an object as a whole number of length units, by laying multiple copies of a shorter object (the length unit) end to end; understand that the length measurement of an object is the number of same-size length units that span it with no gaps or overlaps. <i>Limit to contexts where the object being measured is spanned by a whole number of length units with no gaps or overlaps.</i></p>	Model Curriculum from Ohio State Standards for Math HMH Go Math series Chapter 9 Measurement Post and review learning targets daily Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping Math Jumpstart sheets from Scholastic	HMH Go Math series Chapter 9 Practice Quiz Weekly Math Fact Tests Math Packet 1 <sup>st</sup> Grade assessments Teacher observations and oral assessments to provide further evidence of student learning
<p><b>Tell and write time.</b>  <b>1.MD.3</b> Tell and write time in hours and half-hours using analog and digital clocks.</p>	Model Curriculum from Ohio State Standards for Math HMH Go Math series Chapter 9 Measurement Post and review learning targets daily Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping	HMH Go Math series Chapter 9 Practice Quiz Weekly Math Fact Tests Math Packet 1 <sup>st</sup> Grade assessments Teacher observations and oral assessments to provide further evidence of student learning

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Grade Level: First	School : Brookfield Elementary	
Subject: Math	Date: February 2014 (updated)	
<h1>APRIL</h1>	<p><b>Topics &amp; Concepts:</b>  <b>Mathematical Practices:</b></p> <ol style="list-style-type: none"> <li>1. <i>Make sense of problems and persevere in solving them.</i></li> <li>2. <i>Reason abstractly and quantitatively</i></li> <li>7. <i>Look for and make use of structure.</i></li> <li>8. <i>Look for and express regularity in repeated reasoning.</i></li> </ol>	
<b>Content Standards</b>	<b>Resources</b>	<b>Assessments</b>
<p><b><u>Measurement and Data</u></b></p> <p><b>Tell and write time.</b>  <b>1.MD.3</b> Tell and write time in hours and half-hours using analog and digital clocks.</p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p> <p>Chapter 9 Measurement</p> <p>Post and review learning targets daily</p> <p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>HMH Go Math series</p> <p>PARRC Assessment</p> <p>Chapter 9 Final Test</p> <p>Weekly Math Fact Tests</p> <p>Math Packet 1<sup>st</sup> Grade assessments</p> <p>Teacher observations and oral assessments to provide further evidence of student learning</p>

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<p><b><u>Geometry</u></b></p> <p><b>Reason with shapes and their attributes</b></p> <p><b>1.G.1</b> Distinguish between defining attributes (e.g., triangles are closed and three-sided) versus non-defining attributes (e.g., color, orientation, overall size); build and draw shapes to possess defining attributes.</p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p> <p>Chapter 11 3-D Geometry</p> <p>Post and review learning targets daily</p> <p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>HMH Go Math series</p> <p>Chapter 11 Practice Quiz Chapter 11 Final Test</p> <p>Weekly Math Fact Tests</p> <p>Teacher observations and oral assessments to provide further evidence of student learning</p>
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Grade Level: First		School : Brookfield Elementary
Subject: Math		Date: February 2014 (updated)
<b>MAY</b>		<b>Topics &amp; Concepts:</b> <b>Mathematical Practices:</b> <i>4. Model with mathematics.</i> <i>7. Look for and make use of structure.</i>
Content Standards	Resources	Assessments
<u><b>Geometry</b></u>  <b>Reason with shapes and their attributes</b> <b>1.G.1</b> Distinguish between defining attributes (e.g., triangles are closed and three-sided) versus non-defining attributes (e.g., color, orientation, overall size); build and draw shapes to possess defining attributes.	Model Curriculum from Ohio State Standards for Math  HMH Go Math series  Chapter 12 Two-Dimensional Geometry  Post and review learning targets daily  Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping  Math Jumpstart sheets from Scholastic	HMH Go Math series  Chapter 12 Practice Quiz Chapter 12 Final Test  Weekly Math Fact Tests  Math Packet 1 <sup>st</sup> Grade assessments  Teacher observations and oral assessments to provide further evidence of student learning
<b>1.G.2</b> Compose two-dimensional shapes (rectangles, squares, trapezoids, triangles, half-circles, and quarter-circles) or three-dimensional shapes (cubes, right rectangular prisms, right circular	Model Curriculum from Ohio State Standards for Math  HMH Go Math series  Chapter 12 Two-Dimensional Geometry	HMH Go Math series  Chapter 12 Practice Quiz Chapter 12 Final Test  Weekly Math Fact Tests

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<p>cones, and right circular cylinders) to create a composite shape, and compose new shapes from the composite shape.</p>	<p>Post and review learning targets daily</p> <p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>Math Packet 1<sup>st</sup> Grade assessments</p> <p>Teacher observations and oral assessments to provide further evidence of student learning</p>
<p><b>1.G.3</b> Partition circles and rectangles into two and four equal shares, describe the shares using words <i>halves</i>, <i>fourths</i>, and <i>quarters</i>, and use the phrases <i>half of</i>, <i>fourth of</i>, and <i>quarter of</i>. Describe the whole as two of, or four of the shares. Understand for these examples that decomposing into more equal shares creates smaller shares.</p>	<p>Model Curriculum from Ohio State Standards for Math</p> <p>HMH Go Math series</p> <p>Chapter 12 Two-Dimensional Geometry</p> <p>Post and review learning targets daily</p> <p>Reteach and Enrichment activities from Go Math series as needed to provide differentiation and instruction for student grouping</p> <p>Math Jumpstart sheets from Scholastic</p>	<p>HMH Go Math series</p> <p>Chapter 12 Practice Quiz</p> <p>Chapter 12 Final Test</p> <p>Weekly Math Fact Tests</p> <p>Math Packet 1<sup>st</sup> Grade assessments</p> <p>Teacher observations and oral assessments to provide further evidence of student learning</p>

# I Can Statements

## 1st Grade Math

Domain: Operations and Algebraic Thinking

Cluster: I Can Use Addition and Subtraction to Help Me Understand Math

Standards:

I can use strategies to solve addition word problems. 1.OA.1

I can use strategies to solve subtraction word problems. 1.OA.1

I can solve word problems by adding 3 whole numbers. 1.OA.2

I can use the commutative property of addition. 1.OA.3

I can use the associative property of addition. 1.OA.3

I can use an addition fact to help me answer a subtraction problem. 1.OA.4

I can count to help me add and subtract. 1.OA.5

I can add facts within 20. 1.OA.6

I can subtract facts within 20. 1.OA.6

I know what an equal sign means. 1.OA.7

I can tell if addition and subtraction equations are true or false. 1.OA.7

I can tell the missing number in an addition or subtraction problem. 1.OA.8

Domain: Number and Operations in Base Ten

Cluster: I Can Use Number Sense and Place Value to Help Me Understand Math

Standards:

I can count to 120. 1.NBT.1

I can tell how many tens and how many ones are in a number. 1.NBT.2

I can compare two-digit numbers using  $<$ ,  $=$ , and  $>$ . 1.NBT.3

I can use manipulatives and pictures to help me solve problems within 100. 1.NBT.4

I can use math strategies to help me solve problems within 100. 1.NBT.4

I can find 10 more or 10 less in my head. 1.NBT.5

I can subtract multiples of 10 under 100 and explain what I did. 1.NBT.6

Domain: Measurement and Data

Cluster: I Can Use Measurement and Data to Help Me Understand Math

Standards:

I can put three objects in order from longest to shortest. 1.MD.1

I can tell the length of an object using whole numbers. 1.MD.2

I can tell and write time in hours and half-hours using a clock. 1.MD.3

I can organize data. 1.MD.4

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I can understand data. 1.MD.4

I can ask and answer questions about data. 1.MD.4

Domain: Geometry

Cluster: I Can Use Geometry to Help Me Understand Math

Standards:

I can tell about shapes. 1.G.1

I can build and draw shapes. 1.G.1

I can make two-dimensional shapes. 1.G.2

I can make three-dimensional shapes. 1.G.2

I can use shapes to make new shapes. 1.G.2

I can divide shapes into parts. 1.G

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