

*Mendham Township
Math Curriculum*

Grade K

| <i>Learning Outcome</i> | <i>Common Core Standards</i> | <i>Resources</i> |
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| 1st Quarter | | Domain |
| <p>Chapter 1—Represent, Count, and Write Numbers 0-5</p> <ul style="list-style-type: none"> • Model and count 1-5 with objects. • Represent 1-5 objects with number names and written numerals. • Use objects or drawings to decompose 5 into pairs in more than one way. • Know that each successive number refers to a quantity that is one larger. • Solve problems by using the strategy <i>make a model</i>. • Represent 0 objects with a number name and a written numeral. | <p>Counting & Cardinality CC.K.CC.3 CC.K.CC.4a, b, c</p> <p>Operations & Algebraic Thinking CC.K.OA.3</p> | <p><i>HMH GO MATH!</i> <i>Chapter 1</i> <i>Lessons 1.1-1.10</i></p> <p>PG: 44 – 45 TE: 1 - 56B SE: 1 - 56 SPB: P1 – P24 AG: 35 - 38</p> |
| <p>Chapter 2 – Compare Numbers to 5</p> <ul style="list-style-type: none"> • Use matching and counting strategies to compare sets with the same number of objects. • Use matching and counting strategies to compare sets when the number of objects in one set is greater or less than the number of objects in the other set. • Make a model to solve problems using a matching strategy. • Use a counting strategy to compare sets of objects. | <p>Counting & Cardinality CC.K.CC.6</p> | <p><i>HMH GO MATH!</i> <i>Chapter 2</i> <i>Lessons 2.1-2.5</i></p> <p>PG: 46 - 47 TE: 57A - 84B SE: 57 - 84 SPB: P25 – P38 AG: 45 - 48</p> |
| <p>Chapter 3—Represent, Count, and Write Numbers 6 to 9</p> <ul style="list-style-type: none"> • Model and count 6-9 with objects. • Represent 6-9 objects with a number name and a written numeral. • Solve problems using the strategy <i>draw a picture</i>. | <p>Counting & Cardinality CC.K.CC.3 CC.K.CC.5 CC.K.CC.6</p> | <p><i>HMH GO MATH!</i> <i>Chapter 3</i> <i>Lessons 3.1-3.9</i></p> <p>PG: 48 - 49 TE: 85A - 128B SE: 85 - 128 SPB: P39 – P60 AG: 55 - 58</p> |

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| <p>Chapter 4—Represent and Compare Numbers to 10</p> <ul style="list-style-type: none"> • Model and count 10 with objects. • Represent 10 objects with a number name and a written numeral. • Use a drawing to make 10 from a given number. • Count forward to 10 from a given number. • Solve problems by using the strategy <i>make a model</i>. • Use counting strategies to compare sets of objects. • Compare two numbers between 1 and 10. | <p>Counting & Cardinality CC.K.CC.2 CC.K.CC.3 CC.K.CC.5 CC.K.CC.6 CC.K.CC.7</p> <p>Operations & Algebraic Thinking CC.K.OA.4</p> | <p>HMH GO MATH! Chapter 4 Lessons 4.1-4.7</p> <p>PG: 50 - 51 TE: 129A - 164B SE: 129 - 164 SPB: P61 – P78 AG: 65 - 68</p> |
| <p>2nd Quarter</p> | <p>Domain</p> | |
| <p>Chapter 5—Addition</p> <ul style="list-style-type: none"> • Use expressions to represent addition within 5. • Solve problems using the strategy <i>act it out</i>. • Use objects and drawings to solve addition word problems within 5. • Use a drawing to find 10 from a given number and record the equation. • Solve addition word problems within 5 and 10 and record the equations • Decompose numbers within 5,6,7,8,9, &10 into pairs in more than one way and record each decomposition with an equation. | <p>Operations & Algebraic Thinking CC.K.OA.1 CC.K.OA.2 CC.K.OA.3 CC.K.OA.4 CC.K.OA.5</p> | <p>HMH GO MATH! Chapter 5 Lessons 5.1-5.12</p> <p>PG: 52 - 53 TE: 165A - 220B SE: 165 - 220 SPB: P79 – P106 AG: 75 - 78</p> |
| <p>Chapter 6 – Subtraction</p> <ul style="list-style-type: none"> • Use expressions to represent subtraction within 5. • Solve problems using the strategy <i>act it out</i>. • Use objects and drawings to solve subtraction word problems within 5. • Solve subtraction word problems within 5 and 10 and record the equations • Understand addition as putting together or adding to and subtraction as taking apart or taking from to solve word problems. | <p>Operations & Algebraic Thinking CC.K.OA.1 CC.K.OA.2 CC.K.OA.5</p> | <p>PG: 54 - 55 TE: 221A - 256B SE: 221 - 256 SPB: P107 – P124 AG: 85 - 88</p> |
| <p>Chapter 7 – Represent, Count, and Write Numbers 11-19</p> <ul style="list-style-type: none"> • Use objects to decompose the numbers 11,12,13,14,15,16,17,18,& 19 into ten ones and some further ones. • Represent 11-19 with number names and written numerals. • Solve problems using the strategy <i>draw a picture</i>. | <p>Counting & Cardinality CC.K.CC.3</p> <p>Number & Operations in Base Ten CC.K.NBT.1</p> | <p>HMH GO MATH! Chapter 7 Lessons 7.1-7.10</p> <p>PG: 56 - 57 TE: 257A - 304B SE: 257 - 304 SPB: P125 – P148 AG: 95 - 98</p> |

| 3 rd Quarter | Domain | |
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| <p>Chapter 8 – Represent, Count, and Write 20 and Beyond</p> <ul style="list-style-type: none"> • Model and count 20 with objects. • Represent 20 objects with a number name and a written numeral. • Count forward to 20 from a given number. • Solve problems using the strategy <i>make a model</i>. • Know the count sequence when counting to 50 by ones, and to 100 by ones and tens. • Use sets of tens to count to 100. | <p>Counting & Cardinality CC.K.CC.1 CC.K.CC.2 CC.K.CC.3 CC.K.CC.5 CC.K.CC.6</p> | <p>HMH GO MATH! Chapter 8 Lessons 8.1-8.8</p> <p>PG: 58 - 59 TE: 305A - 344B SE: 309 - 344 SPB: P149 – P168 AG: 105 - 108</p> |
| <p>Chapter 9 – Identify and Describe Two-Dimensional Shapes</p> <ul style="list-style-type: none"> • Identify, name, describe attributes of two-dimensional shapes; circles, squares, triangles, rectangles, and hexagons. • Use the words <u>alike</u> and <u>different</u> to compare two-dimensional shapes by attributes. • Solve problems by using the strategy <i>draw a picture</i>. | <p>Geometry CC.K.G.2 CC.K.G.4 CC.K.G.6</p> | <p>HMH GO MATH! Chapter 9 Lessons 9.1-9.12</p> <p>PG: 60 - 61 TE: 345A - 408B SE: 345 - 408 SPB: P169 – P196 AG: 115 - 118</p> |
| <p>Chapter 10 – Identify and Describe Three-Dimensional Shapes</p> <ul style="list-style-type: none"> • Analyze and compare three-dimensional shapes by attributes. • Identify, name, and describe three-dimensional shapes; spheres, cubes, cylinders, cones. • Solve problems by using the strategy <i>use logical reasoning</i>. • Use the terms <u>above</u>, <u>below</u>, <u>beside</u>, <u>next</u>, <u>in front</u>, and <u>behind</u> to describe shapes in the environment. | <p>Geometry CC.K.G.1 CC.K.G.2 CC.K.G.3 CC.K.G.4</p> | <p>HMH GO MATH! Chapter 10 Lessons 10.1-10.9</p> <p>PG: 62- 63 TE: 409A - 452B SE: 409 - 452 SPB: P197 – P218 AG: 125 - 128</p> |
| <p>Chapter 11—Measurement</p> <ul style="list-style-type: none"> • Directly compare the lengths, widths, and weights of two objects. • Solve problems by using the strategy <i>draw a picture</i>. • Describe several measurable attributes of a single object. | <p>Measurement & Data CC.K.MD.1 CC.K.MD.2</p> | <p>HMH GO MATH! Chapter 11 Lessons 11.1-11.5</p> <p>PG: 64- 65 TE: 453A – 488B SE: 453 - 488 SPB: P219 – P232 AG: 135 - 138</p> |

| 4 th Quarter | Domain | |
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| <p>Chapter 12—Classify and Sort Data</p> <ul style="list-style-type: none"> • Classify and count objects by color, shape, and size. • Make a graph to count objects that have been classified into categories. • Read a graph to count objects that have been classified into categories. • Solve problems by using the strategy <i>use logical reasoning</i>. | <p>Measurement & Data CC.K.MD.3</p> | <p>HMH GO MATH! Chapter 12 Lessons 12.1-12.6</p> <p>PG: 66- 67 TE: 489A - 520B SE: 489 - 520 SPB: P233 – P246 AG: 145 - 148</p> |
| <p>Getting Ready for Grade 1</p> <ul style="list-style-type: none"> • Add and subtract on a ten frame. • Explore numbers part-part-whole. • Create equal sets. • Relate addition and subtraction equations. • Find the missing part in an equation. • Subtract to compare. • Identify numbers on a digital and analog clock. | <p>Counting & Cardinality CC.K.CC.1 CC.K.CC.3</p> <p>Operations & Algebraic Thinking CC.K.OA.1 CC.1.OA.6</p> <p>Numbers & Operations in Base Ten CC.1.NBT.1</p> <p>Measurement & Data CC.1.MD.3</p> | <p>HMH GO MATH! Review and Enrich Chapter Lessons 1-19</p> |