

## 2020-21 Pacing Guide-Envisions Math: Second Grade

\*In event of switch to virtual learning/ less days- use ‘Priority Instructional Content for Grade 2’ to prioritize lessons

\*Dates are approximate

Grade 2/ Math / Trimester One				
Time Frame	Primary Math Skills	Instructional Strategy	Academic Vocabulary	Standards & Math Practice
First week of school	<p>To login and explore Envision Online (Pearson), IXL, Xtra Math, Prodigy, etc.</p> <p>To login and navigate Google Classroom to view math videos, follow links, and open assignments</p> <p>On-line Readiness Assessment</p> <p>IXL Diagnostic (Cont to assign once per month also)</p> <p>Routines- Teach format of math workshop, teach games, social distancing when playing,</p>	<ul style="list-style-type: none"> <li>● Provide students with practice to navigate resources</li> <li>● Familiarize students with interactive math materials and hands on manipulatives</li> <li>● Demonstrate &amp; model where to locate instructional links/assignments</li> </ul>	<ul style="list-style-type: none"> <li>● Digital Math</li> <li>● Icons</li> <li>● Tools</li> <li>● Thinking Habits</li> <li>● Review</li> <li>● Mental Math</li> </ul>	

<p>Mid September- End of Sept</p> <p><b>10 lessons</b></p> <p><b>(9/13-9/29)</b></p>	<p><b>Topic 1: Fluently Add and Subtract Within 20</b></p> <ul style="list-style-type: none"> <li>● use counting on to add</li> <li>● add numbers in any order</li> <li>● use doubles &amp; near doubles to add</li> <li>● use the making ten strategy to add &amp; subtract</li> <li>● use number patterns</li> <li>● count on &amp; back on number line</li> <li>● think addition to subtract</li> <li>● use mental math to add &amp; subtract</li> <li>● solve word problems</li> <li>● use words, pictures, numbers, &amp; symbols</li> </ul>	<ul style="list-style-type: none"> <li>● *Focus on fluency- see Teacher's Guide pgs 1K-1N</li> <li>● Connecting cubes-teaching tool 5</li> <li>● Counters-teaching tool 6</li> <li>● Number line</li> <li>● Double ten frame mat-teaching tool 8</li> <li>● Math games/tools</li> <li>● Problem-solving reading activity</li> <li>● STEM activity</li> <li>● Pick a Project</li> <li>● 3 Acts</li> <li>● Solve &amp; Share</li> <li>● Visual Learning Bridge</li> <li>● Convince Me</li> <li>● Classroom Conversation</li> <li>● Guided practice</li> <li>● Independent practice</li> <li>● Problem Solving</li> <li>● Interactive Practice Buddy</li> </ul>	<ul style="list-style-type: none"> <li>● Equation</li> <li>● Addend</li> <li>● Sum</li> <li>● Doubles</li> <li>● Near doubles</li> <li>● Difference</li> <li>● Bar diagram</li> </ul>	<p>2.OA.A1, 2.OA.B.2</p> <p>MP 1-8</p>
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<p>Beginning to Mid-October</p> <p><b>5 lessons</b></p> <p><b>(9/30-10/8)</b></p>	<p><b>Topic 2: Work with Equal Groups</b></p> <ul style="list-style-type: none"> <li>● identify groups of even &amp; odds</li> <li>● use different ways to identify groups</li> <li>● find total number in rows &amp; columns</li> <li>● make arrays with equal rows &amp; columns to solve addition</li> <li>● use equations, drawings, and arrays to model problems</li> </ul>	<ul style="list-style-type: none"> <li>● Connecting cubes-teaching tool 5</li> <li>● Counters-teaching tool 6</li> <li>● Model with Math</li> <li>● Math games/tools</li> <li>● Problem-solving reading activity</li> <li>● STEM activity</li> <li>● Pick a Project</li> <li>● Solve &amp; Share</li> <li>● Visual Learning Bridge</li> <li>● Convince Me</li> <li>● Classroom Conversation</li> <li>● Guided practice</li> <li>● Independent practice</li> <li>● Problem Solving</li> <li>● Interactive Practice Buddy</li> </ul>	<ul style="list-style-type: none"> <li>● Even</li> <li>● Odd</li> <li>● Array</li> <li>● Rows</li> <li>● Columns</li> </ul>	<p>2.OA.C.3, 2.OA.B.2, 2.OA.C.4, 2.OA.A.1</p> <p>MP 1-8</p>
<p>Mid- End Oct</p> <p><b>7 lessons</b></p> <p><b>(10/12-10/25)</b></p>	<p><b>Topic 3: Add Within 100 Using Strategies</b></p> <ul style="list-style-type: none"> <li>● add within 100 using place value</li> <li>● use open number line to add tens &amp; ones</li> <li>● break apart numbers into tens &amp; ones</li> <li>● break apart addends; combine in different ways to add mentally</li> </ul>	<ul style="list-style-type: none"> <li>● IXL Diagnostic</li> <li>● Open number lines-teaching tool 14</li> <li>● Hundred chart-teaching tool 17</li> <li>● Break apart strategies-teaching tool 21</li> <li>● Comparison bar diagrams-teaching tool 23</li> <li>● Counters-teaching tool 6</li> <li>● Model with Math</li> <li>● Math games/tools</li> <li>● Problem-solving reading activity</li> <li>● STEM activity</li> <li>● Pick a Project</li> </ul>	<ul style="list-style-type: none"> <li>● Tens</li> <li>● Ones</li> <li>● Open Number Line</li> <li>● Break Apart</li> <li>● Compensation</li> </ul>	<p>2.NBT.B5, 2.NBT.B.9, 2.OA.A.1</p> <p>MP 1-8</p>

	<ul style="list-style-type: none"> <li>● use strategy to add two-digit numbers</li> <li>● use drawings &amp; equations to solve one &amp; two step problems</li> <li>● use words, pictures numbers, and symbols to construct viable math arguments</li> </ul>	<ul style="list-style-type: none"> <li>● 3 Acts</li> <li>● Solve &amp; Share</li> <li>● Visual Learning Bridge</li> <li>● Convince Me</li> <li>● Classroom Conversation</li> <li>● Guided practice</li> <li>● Independent practice</li> <li>● Problem Solving</li> <li>● Interactive Practice Buddy</li> </ul>		
<p>Early-Mid Nov</p> <p><b>9 Lessons</b></p> <p><b>(10/26-11/12)</b></p>	<p><b>Topic 4: Fluently Add Within 100</b></p> <ul style="list-style-type: none"> <li>● add 2-digit numbers using models</li> <li>● add with partial sums</li> <li>● add using mental math &amp; partial sums</li> <li>● break apart numbers &amp; add using mental math</li> <li>● add more than 2 digit numbers</li> <li>● add using strategies</li> <li>● solve one-step &amp; two-step problems</li> <li>● model with math</li> </ul>	<ul style="list-style-type: none"> <li>● Place value blocks-teaching tool 19</li> <li>● Partial sums chart-teaching tool 25</li> <li>● Place value mat A-teaching tool 26</li> <li>● Math games/tools</li> <li>● Problem-solving reading activity</li> <li>● STEM activity</li> <li>● Pick a Project</li> <li>● Solve &amp; Share</li> <li>● Visual Learning Bridge</li> <li>● Convince Me</li> <li>● Classroom Conversation</li> <li>● Guided practice</li> <li>● Independent practice</li> <li>● Problem Solving</li> <li>● Interactive Practice Buddy</li> </ul>	<ul style="list-style-type: none"> <li>● Regroup</li> <li>● Partial sm</li> <li>● Mental math</li> </ul>	<p>2.NBT.B.5, 2.NBT.B.9, 2.OA.A.1, 2.NBT.B.6</p> <p>MP 1-8</p>

Mid Nov-11/15-11/16	<b>Benchmark Assessment 1-4</b> <ul style="list-style-type: none"> <li>● Review/ flex/ catch up/ End of trimester assessment?</li> </ul>			
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Formative Assessment Plan	Summative Assessment Plan
<ul style="list-style-type: none"> <li>● Quick Check</li> <li>● IXL</li> <li>● Realize Scout to analyze work</li> <li>● Observation in whole group, small group, independent</li> <li>● Slate work</li> <li>● Math notebook/ problem solving</li> <li>● Daily workbook practice</li> <li>● Xtra Math.org</li> </ul>	<ul style="list-style-type: none"> <li>● Topic Assessments</li> <li>● Examview Test Generator</li> <li>● End of trimester assessments</li> <li>● Fact Fluency assessments</li> <li>● Pick a Project</li> </ul>
Main Resources	Supplementary Resources
<ul style="list-style-type: none"> <li>● Envisions Mathematics-Volume 1: Topics 1-4</li> </ul>	<ul style="list-style-type: none"> <li>● Number sense skill builders- RekenReks; Using number grid; math fact cards</li> <li>● Games for addition/ subtraction- Top It; Addition Top It; Ladybug Doubles Game; 3 Addends Game; Rolling to 100; Around the World ; Salute</li> </ul>

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|  | <ul style="list-style-type: none"><li>● Part, part, total wipe off mats; number bonds wipe off mat;</li><li>● Anchor charts- making 10; doubles facts</li><li>● Arrays- Array puzzles, <a href="#">Ideas for teaching arrays</a></li><li>● Technology games- xtramath.org; IXL; Arcedemics;</li><li>● Ipad and Google Tablet apps - Math Slicer, Mummy Math, Squeebles, Sushi Monster, Math Blaster, Math Zombies, Math Museum</li><li>● Stem- Making the longest chain of paper; building with cubes and popsicle sticks , Help Harry see the room(community); Halloween Stem- building with candy corns and candy pumpkins;</li><li>● CGI/ problem solving questions</li><li>● Math word wall</li></ul> |
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**Grade 2 / Math / Trimester Two**

<b>Time Frame</b>	<b>Primary Math Skills</b>	<b>Instructional Strategy</b>	<b>Academic Vocabulary</b>	<b>Standards &amp; Math Practice</b>
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<p>Mid Nov- Early Dec</p> <p><b>8 Lessons</b></p> <p><b>(11/17- 12/3)</b></p>	<p><b>Topic 5: Subtract Within 100 Using Strategies</b></p> <ul style="list-style-type: none"> <li>● subtract tens &amp; ones on a hundred chart</li> <li>● count back on an open number line</li> <li>● add up to subtract using an open number line</li> <li>● break apart numbers to subtract</li> <li>● subtract using compensation</li> <li>● practice subtracting using strategies</li> <li>● solve one-step &amp; two-step problems</li> <li>● problem solving-critique reasoning</li> </ul>	<ul style="list-style-type: none"> <li>● IXL Diagnostic</li> <li>● Open number line-teaching tool 14</li> <li>● Hundred chart-teaching tool 17</li> <li>● Place-value blocks-teaching tool 19</li> <li>● Bar diagrams-teaching tool 16</li> <li>● Compensation strategies-teaching tool 22</li> <li>● Break-apart strategies-teaching tool 28</li> <li>● Math games/tools</li> <li>● Problem-solving reading activity</li> <li>● STEM activity</li> <li>● Pick a Project</li> <li>● 3 Acts</li> <li>● Solve &amp; Share</li> <li>● Visual Learning Bridge</li> <li>● Convince Me</li> <li>● Classroom Conversation</li> <li>● Guided practice</li> <li>● Independent practice</li> <li>● Problem Solving</li> <li>● Interactive Practice Buddy</li> </ul>	<ul style="list-style-type: none"> <li>● None</li> </ul>	<p>2.NBT.B.5, 2.NBT.B.9, 2.OA.A.1</p> <p>MP 1-8</p>
<p>Dec</p> <p><b>7 Lessons</b></p>	<p><b>Topic 6: Fluently Subtract Within 100</b></p> <ul style="list-style-type: none"> <li>● subtract 1-digit numbers using models</li> </ul>	<ul style="list-style-type: none"> <li>● Place-value blocks-teaching tool 19</li> <li>● Place-value mat-teaching tool 26</li> </ul>	<ul style="list-style-type: none"> <li>● Partial differences</li> </ul>	<p>2.NBT.B.5, 2.NBT.B.9, 2.OA.A.1</p>



<p><b>(12/6-12/20)</b></p>	<ul style="list-style-type: none"> <li>● subtract 2-digit numbers using models</li> <li>● subtract using partial differences</li> <li>● practice subtracting</li> <li>● solve one-step &amp; two-step problems</li> <li>● problem solving -reasoning</li> </ul>	<ul style="list-style-type: none"> <li>● Bar diagrams-teaching tools 15, 16, &amp; 23</li> <li>● Math games/tools</li> <li>● Problem-solving reading activity</li> <li>● STEM activity</li> <li>● Pick a Project</li> <li>● Solve &amp; Share</li> <li>● Visual Learning Bridge</li> <li>● Convince Me</li> <li>● Classroom Conversation</li> <li>● Guided practice</li> <li>● Independent practice</li> <li>● Problem Solving</li> <li>● Interactive Practice Buddy</li> </ul>		<p>MP 1-8</p>
<p>Early- Mid Jan</p> <p><b>8 Lessons</b></p> <p><b>(1/3-1/14)</b></p>	<p><b>Topic 7: More Solving Problems Involving Addition &amp; Subtraction</b></p> <ul style="list-style-type: none"> <li>● represent addition &amp; subtraction problems</li> <li>● mixed practice: solve addition &amp; subtraction problems</li> <li>● solve two-step problems</li> <li>● make true equations</li> </ul>	<ul style="list-style-type: none"> <li>● IXL Diagnostic</li> <li>● Red &amp; blue colored pencils</li> <li>● Connecting cubes-teaching tool 5</li> <li>● Comparison bar diagrams-teaching tool 23</li> <li>● Bar diagrams-teaching tool 16</li> <li>● Math games/tools</li> <li>● Problem-solving reading activity</li> <li>● STEM activity</li> <li>● Pick a Project</li> <li>● 3 Acts</li> <li>● Solve &amp; Share</li> </ul>	<ul style="list-style-type: none"> <li>● None</li> </ul>	<p>2.OA.A.1, 2.NBT.B.5, 2.NBT.B, 2.NBT.B.9, 2.OA.B.2</p> <p>MP 1-8</p>

		<ul style="list-style-type: none"> <li>● Visual Learning Bridge</li> <li>● Convince Me</li> <li>● Classroom Conversation</li> <li>● Guided practice</li> <li>● Independent practice</li> <li>● Problem Solving</li> <li>● Interactive Practice Buddy</li> </ul>		
<p>Mid - End Jan</p> <p><b>8 Lessons</b> <b>(1/18-2/1)</b></p>	<p><b>Topic 8: Work with Time &amp; Money</b></p> <ul style="list-style-type: none"> <li>● solve problems with coins</li> <li>● solve problems with dollar bills</li> <li>● problem solving-reasoning</li> <li>● tell &amp; write time to five minutes</li> <li>● tell time before &amp; after the hour</li> <li>● a.m. &amp; p.m.</li> </ul>	<ul style="list-style-type: none"> <li>● Coins for teaching-teaching tool 29</li> <li>● \$1 Bills-teaching tool 30</li> <li>● Bills-teaching tool 31</li> <li>● Demonstration clock</li> <li>● Analog clock-teaching tool 32</li> <li>● Blank analog clock &amp; digital clock-teaching tool 33</li> <li>● Math games/tools</li> <li>● Problem-solving reading activity</li> <li>● STEM activity</li> <li>● Pick a Project</li> <li>● Solve &amp; Share</li> <li>● Visual Learning Bridge</li> <li>● Convince Me</li> <li>● Classroom Conversation</li> <li>● Guided practice</li> <li>● Independent practice</li> <li>● Problem Solving</li> <li>● Interactive Practice Buddy</li> </ul>	<ul style="list-style-type: none"> <li>● Dime</li> <li>● Nickel</li> <li>● Penny</li> <li>● Quarter</li> <li>● Half-dollar</li> <li>● Cents sign</li> <li>● Dollar</li> <li>● Dollar sign</li> <li>● Dollar bill</li> <li>● Tally marks</li> <li>● Quarter past</li> <li>● Half past</li> <li>● Quarter to</li> <li>● A.M.</li> <li>● P.M.</li> </ul>	<p>2.MD.C.8, 2.NBT.A.2, 2.OA.A.1, 2.MD.C.7</p> <p>MP 1-8</p>

<p>Early Feb - 2/2-2/3</p>	<p><b>Benchmark Assessment 1-8</b></p> <ul style="list-style-type: none"> <li>● Review/ flex/ catch up</li> </ul>			
<p>Feb</p> <p><b>10 Lessons</b></p> <p>(2/4-2/24)</p>	<p><b>Topic 9: Numbers to 1,000</b></p> <ul style="list-style-type: none"> <li>● understand hundreds</li> <li>● models &amp; 3-digit numbers</li> <li>● name place values</li> <li>● read &amp; write 3-digit numbers</li> <li>● different ways to name the same number</li> <li>● place-value patterns with numbers</li> <li>● skip count by 5s, 10s, &amp; 100s to 1,000</li> <li>● compare numbers using place value</li> <li>● compare numbers on the number line</li> <li>● problem solving -look for &amp; use structure</li> </ul>	<ul style="list-style-type: none"> <li>● IXL Diagnostic</li> <li>● Place-value blocks-teaching tool 19 &amp; 20</li> <li>● Place-value mat B-teaching tool 34</li> <li>● Hundreds, tens, &amp; ones charts-teaching tool 35</li> <li>● Blank hundred chart-teaching tool 18</li> <li>● Open number lines-teaching tool 14</li> <li>● Index cards</li> <li>● Hundred chart-teaching tool 17</li> <li>● Math games/tools</li> <li>● Problem-solving reading activity</li> <li>● STEM activity</li> <li>● Pick a Project</li> <li>● 3 Acts</li> <li>● Solve &amp; Share</li> <li>● Visual Learning Bridge</li> <li>● Convince Me</li> <li>● Classroom Conversation</li> <li>● Guided practice</li> <li>● Independent practice</li> <li>● Problem Solving</li> <li>● Interactive Practice Buddy</li> </ul>	<ul style="list-style-type: none"> <li>● Hundred</li> <li>● Thousand</li> <li>● Digit place-value chart</li> <li>● Standard form</li> <li>● Expanded form</li> <li>● Word form</li> <li>● Compare</li> <li>● Greater than (&gt;)</li> <li>● Less than (&lt;)</li> <li>● Equal to (=)</li> <li>● Decrease</li> <li>● Increase</li> </ul>	<p>2.NBT.A.1a, 2.NBT.A.1b, 2.NBT.A.1, 2.NBT.A.3, 2.NBT.A.2, 2.NBT.B.8, 2.NBT.A.4, MP 1-8</p>

Early Mar	<b>End of Trimester Assessment (try to do at beginning of math early March)</b>			
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Formative Assessment Plan	Summative Assessment Plan
<ul style="list-style-type: none"> <li>● Quick Check</li> <li>● IXL</li> <li>● Realize Scout to analyze work</li> <li>● Observation in whole group, small group, independent</li> <li>● Slate work</li> <li>● Math notebook/ problem solving</li> <li>● Daily workbook practice</li> <li>● Xtra Math.org</li> </ul>	<ul style="list-style-type: none"> <li>● Topic Assessments</li> <li>● Examview Test Generator</li> <li>● End of trimester assessments</li> <li>● Fact Fluency assessments</li> <li>● Pick a Project</li> </ul>
Main Resources	Supplementary Resources
<ul style="list-style-type: none"> <li>● Envisions Mathematics-Volumes 1 &amp; 2: Topics 5-9</li> </ul>	<ul style="list-style-type: none"> <li>● PMI- Telling time resources as needed ; Units for adding and subtracting 2 digit numbers to introduce the concepts</li> <li>● Games- Telling time games; Place Value- Base Ten Exchange; face practice games</li> <li>● Online games- Sheppard Software; xtramath.org; IXL; Arcademics;</li> <li>● Youtube- AM/ PM video;</li> <li>● Ipad and Google Tablet apps - Thinking Blocks, Missing Numbers, Cookie Factory; Mr. Wolf, Telling Time, TT Clock</li> <li>● MAke a class number scroll past 1,000</li> <li>● STEM- Make an igloo out of base ten blocks- estimate and count total value of blocks; Grinch Day stem ;</li> </ul>

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|  | <ul style="list-style-type: none"><li>● Manipulatives- Base Ten Blocks/ place value mat; individual or class number grids to 1000</li><li>● 100th day of school activities/ STEM- hopping, jumping, etc in 100 seconds, making a pyramid with 100 cups, flipping a coin and rolling a die 100 times,</li><li>● Valentine STEM- making a heart with cups, stacking Sweethearts; 'flying' Cupid ; construction paper weaving a heart;</li><li>● Dr. Seuss Stem- making butter; oobleck;</li><li>● CGI/ problem solving questions</li></ul> |
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**Grade 2/ Math / Trimester Three**

<b>Time Frame</b>	<b>Primary Math Skills</b>	<b>Instructional Strategy</b>	<b>Academic Vocabulary</b>	<b>Standards &amp; Math Practice</b>
<p>Early- Mid Mar</p> <p><b>7 Lessons</b></p> <p><b>(2/25-3/10)</b></p>	<p><b>Topic 10: Add Within 1,000 using Models &amp; Strategies</b></p> <ul style="list-style-type: none"> <li>● add 10 &amp; 100</li> <li>● add on an open number line</li> <li>● add using models</li> <li>● continue to add using models &amp; place value</li> <li>● add using place value &amp; partial sums</li> <li>● explain addition strategies</li> <li>● problem solving-repeated reasoning</li> </ul>	<ul style="list-style-type: none"> <li>● IXL Diagnostic</li> <li>● Place-value blocks-teaching tool 19 &amp; 20</li> <li>● Play dollar bills-teaching tool 30 &amp; 31</li> <li>● Open number lines-teaching tool 14</li> <li>● Place-value mat B-teaching tool 34</li> <li>● Partial sums charts-teaching tool 37</li> <li>● Hundreds, tens, &amp; ones charts-teaching tool 35</li> <li>● Math games/tools</li> <li>● Problem-solving reading activity</li> <li>● STEM activity</li> <li>● Pick a Project</li> <li>● Solve &amp; Share</li> <li>● Visual Learning Bridge</li> <li>● Convince Me</li> <li>● Classroom Conversation</li> <li>● Guided practice</li> <li>● Independent practice</li> <li>● Problem Solving</li> <li>● Interactive Practice Buddy</li> </ul>	<ul style="list-style-type: none"> <li>● None</li> </ul>	<p>2.NBT.B.8, 2.NBT.B.9, 2.MD.C.8, 2.NBT.B.7, 2.NBT.A.2</p> <p>MP 1-8</p>

<p>Mid Mar <b>6 Lessons</b> (3/11-3/23)</p>	<p><b>Topic 11: Subtract Within 1,000 Using Models &amp; Strategies</b></p> <ul style="list-style-type: none"> <li>● subtract 10 &amp; 100</li> <li>● subtract on an open number line</li> <li>● subtract using models</li> <li>● subtract using models &amp; place value</li> <li>● explain subtraction strategies</li> <li>● problem solving-persevere</li> </ul>	<ul style="list-style-type: none"> <li>● Place-value blocks-teaching tool 19 &amp; 20</li> <li>● Play dollar bills-teaching tool 30 &amp; 31</li> <li>● Open number lines-teaching tool 14</li> <li>● Hundreds, tens, &amp; ones charts-teaching tool 35</li> <li>● Math games/tools</li> <li>● Problem-solving reading activity</li> <li>● STEM activity</li> <li>● Pick a Project</li> <li>● 3 Acts</li> <li>● Solve &amp; Share</li> <li>● Visual Learning Bridge</li> <li>● Convince Me</li> <li>● Classroom Conversation</li> <li>● Guided practice</li> <li>● Independent practice</li> <li>● Problem Solving</li> <li>● Interactive Practice Buddy</li> </ul>	<ul style="list-style-type: none"> <li>● None</li> </ul>	<p>2.NBT.B.8, 2.NBT.B.9, 2.MD.C.8, 2.NBT.B.7, 2.NBT.A.2</p> <p>MP 1-8</p>
<p>End Mar- Mid April <b>9 Lessons</b> (3/24-4/8)</p>	<p><b>Topic 12: Measuring Length</b></p> <ul style="list-style-type: none"> <li>● estimating length</li> <li>● measure with inches</li> <li>● inches, feet &amp; yards</li> <li>● measure length using different customary units</li> <li>● measure with centimeters</li> <li>● centimeters &amp; meters</li> </ul>	<ul style="list-style-type: none"> <li>● IXL Diagnostic</li> <li>● Inch rulers-teaching tool 38</li> <li>● 1-inch squares-teaching tool 39</li> <li>● Measuring tapes</li> <li>● Yardsticks</li> <li>● Centimeter rulers-teaching tool 40</li> <li>● Ones cubes-teaching tool 19</li> <li>● Centimeter squares-teaching</li> </ul>	<ul style="list-style-type: none"> <li>● Estimate</li> <li>● Inch (in.)</li> <li>● Foot (ft.)</li> <li>● Yard (yd.)</li> <li>● Height</li> <li>● Nearest inch</li> <li>● Centimeter (cm)</li> <li>● Nearest centimeter</li> <li>● Meter (m)</li> </ul>	<p>2.MD.A.3, 2.MD.A.1, 2.MD.A.2, 2.MD.A.4, 2.MD.B.5,</p>

	<ul style="list-style-type: none"> <li>● measure length using different metric units</li> <li>● compare lengths</li> <li>● problem solving-precision</li> </ul>	<ul style="list-style-type: none"> <li>● tool 50</li> <li>● String/yarn</li> <li>● Buttons/counters-teaching tool 6</li> <li>● Math games/tools</li> <li>● Problem-solving reading activity</li> <li>● STEM activity</li> <li>● Pick a Project</li> <li>● Solve &amp; Share</li> <li>● Visual Learning Bridge</li> <li>● Convince Me</li> <li>● Classroom Conversation</li> <li>● Guided practice</li> <li>● Independent practice</li> <li>● Problem Solving</li> <li>● Interactive Practice Buddy</li> </ul>		
Mid April (4/11-4/12)	<p><b>Benchmark Assessment 1-12</b></p> <ul style="list-style-type: none"> <li>● Review/ flex/ catch up</li> </ul>			
Mid April- Early May  <b>8 Lessons</b>  <b>(4/13-5/6)</b>	<p><b>Topic 13: Shapes &amp; Their Attributes</b></p> <ul style="list-style-type: none"> <li>● 2-dimensional shapes</li> <li>● polygons &amp; angles</li> <li>● draw 2-dimensional shapes</li> <li>● cubes</li> <li>● equal shares</li> <li>● partition shapes</li> <li>● equal shares, different shapes</li> </ul>	<ul style="list-style-type: none"> <li>● Plane shapes-teaching tool 46</li> <li>● Tracing paper</li> <li>● Toothpicks</li> <li>● Crayons/markers</li> <li>● Rulers-teaching tools 38 &amp; 40</li> <li>● Centimeter grid paper-teaching tool 51</li> <li>● Straws</li> <li>● Ones cubes/solid cubes</li> <li>● ¾ inch squares-teaching tool</li> </ul>	<ul style="list-style-type: none"> <li>● Vertices</li> <li>● Quadrilateral</li> <li>● Pentagon</li> <li>● Hexagon</li> <li>● Polygon</li> <li>● Angle</li> <li>● Right angle</li> <li>● Cube</li> <li>● Face</li> <li>● Edge</li> </ul>	<p>2.G.A.1, 2.OA.B.2, 2.MD.A.1, 2.G.A.2, 2.OA.C.4, 2.G.A.3, 2.MD.A.2</p> <p>MP 1-8</p>



	<ul style="list-style-type: none"> <li>● problem solving-repeated reasoning</li> </ul>	<ul style="list-style-type: none"> <li>52</li> <li>● ¾ inch grid paper-teaching tool 49</li> <li>● Halves, thirds, &amp; fourths-teaching tool 52</li> <li>● Graph paper-teaching tool 16</li> <li>● Math games/tools</li> <li>● Problem-solving reading activity</li> <li>● STEM activity</li> <li>● Pick a Project</li> <li>● 3 Acts</li> <li>● Solve &amp; Share</li> <li>● Visual Learning Bridge</li> <li>● Convince Me</li> <li>● Classroom Conversation</li> <li>● Guided practice</li> <li>● Independent practice</li> <li>● Problem Solving</li> <li>● Interactive Practice Buddy</li> </ul>	<ul style="list-style-type: none"> <li>● Equal shares</li> <li>● Halves</li> <li>● Thirds</li> <li>● Fourths</li> </ul>	
<p>Mid May 5 Lessons (5/9-5/18)</p>	<p><b>Topic 14: More Addition, Subtraction and Length</b></p> <ul style="list-style-type: none"> <li>● add &amp; subtract with measurements</li> <li>● find unknown measurements</li> <li>● continue to find unknown measurements</li> <li>● add &amp; subtract on a number line</li> </ul>	<ul style="list-style-type: none"> <li>● IXL Diagnostic</li> <li>● Centimeter rulers &amp; meter sticks-teaching tool 40</li> <li>● Number lines-teaching tool 13</li> <li>● Counters-teaching tool 6</li> <li>● Inch rulers &amp; yardsticks-teaching tool 38</li> <li>● Measuring tapes</li> <li>● Ones cubes-teaching tool 19</li> <li>● String</li> <li>● Math games/tools</li> <li>● Problem-solving reading</li> </ul>	<ul style="list-style-type: none"> <li>● None</li> </ul>	<p>2.MD.B.5, 2.OA.A.1, 2.MD.B.6</p> <p>MP 1-8</p>

	<ul style="list-style-type: none"> <li>● problem solving-use appropriate tools</li> </ul>	<p>activity</p> <ul style="list-style-type: none"> <li>● STEM activity</li> <li>● Pick a Project</li> <li>● Solve &amp; Share</li> <li>● Visual Learning Bridge</li> <li>● Convince Me</li> <li>● Classroom Conversation</li> <li>● Guided practice</li> <li>● Independent practice</li> <li>● Problem Solving</li> <li>● Interactive Practice Buddy</li> </ul>		
<p>End May</p> <p><b>6 Lessons</b></p> <p>5/19-6/2)</p>	<p><b>Topic 15: Graphs and Data</b></p> <ul style="list-style-type: none"> <li>● line plots</li> <li>● bar graphs</li> <li>● picture graphs</li> <li>● draw conclusion from graphs</li> <li>● problem solving-reasoning</li> </ul>	<ul style="list-style-type: none"> <li>● Inch ruler-teaching tool 38</li> <li>● Classroom objects</li> <li>● Blank table &amp; bar graphs-teaching tool 41</li> <li>● Index cards</li> <li>● Rulers</li> <li>● Connecting cubes-teaching tool 5</li> <li>● Counters-teaching tool 6</li> <li>● Ones cubes-teaching tool 19</li> <li>● Math games/tools</li> <li>● Problem-solving reading activity</li> <li>● STEM activity</li> <li>● Pick a Project</li> <li>● 3 Acts</li> <li>● Solve &amp; Share</li> <li>● Visual Learning Bridge</li> <li>● Convince Me</li> <li>● Classroom Conversation</li> <li>● Guided practice</li> </ul>	<ul style="list-style-type: none"> <li>● Data</li> <li>● Line plot</li> <li>● Bar graph</li> <li>● Symbol</li> <li>● Picture graph</li> </ul>	<p>2.MD.D.9, 2.MD.A.1, 2.MD.D.10, 2.OA.A.1, 2.MD.D.10</p> <p>MP 1-8</p>

		<ul style="list-style-type: none"> <li>● Independent practice</li> <li>● Problem Solving</li> <li>● Interactive Practice Buddy</li> </ul>		
June (6/3-6/10 or later)	<b>Benchmark Assessment</b> <b>EOY Last Trimester Assessment of Skills</b> <ul style="list-style-type: none"> <li>● Review/ flex/ catch up/ End of trimester assessment</li> </ul>			

Formative Assessment Plan	Summative Assessment Plan
<ul style="list-style-type: none"> <li>● Quick Check</li> <li>● IXL</li> <li>● Realize Scout to analyze work</li> <li>● Observation in whole group, small group, independent</li> <li>● Slate work</li> <li>● Math notebook/ problem solving</li> <li>● Daily workbook practice</li> <li>● Xtra Math.org</li> </ul>	<ul style="list-style-type: none"> <li>● Topic Assessments</li> <li>● Examview Test Generator</li> <li>● End of trimester assessments</li> <li>● Fact Fluency assessments</li> <li>● Pick a Project</li> </ul>
Main Resources	Supplementary Resources
<ul style="list-style-type: none"> <li>● Envisions Mathematics-Volume 2: Topics 10-15</li> </ul>	<ul style="list-style-type: none"> <li>● PMI- as needed; Measurement resources to supplement</li> <li>● Games- Make My Design;</li> </ul>

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|  | <ul style="list-style-type: none"><li>● Online games- Sheppard Software; xtramath.org; IXL; Arcademics; Mathisfun.com- graph maker;</li><li>● Class graphs- bar graphs, line plots,</li><li>● Youtube-</li><li>● Ipad and Google Tablet apps</li><li>● STEM- Easter STEM- make a parachute to hold an egg, transport an egg down a zip line, ; Make a floating ramp; build a rollercoaster</li><li>● Manipulatives-</li><li>● Making shapes activities- using straws to build shapes, Foldable 3D shapes; folding shapes into fractions and finding area</li><li>● CGI/ problem solving questions</li></ul> |
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