

# THIRD GRADE MATH UNIT FLOW CHART

(Based on Georgia Units)

Unit 1 Numbers and Operations in Base Ten	Unit 2: Operations and Algebraic Thinking (The Relationship Between x and ÷)	Unit 3: Operations and Algebraic Thinking (Commutative Property of Multiplication)	Unit 4: Operations and Algebraic Thinking (Patterns in Addition and Multiplication)	Unit 5: Geometry	Unit 6: Representing and Comparing Fractions	Unit 7: Measurement
<b>SKILLS COVERED IN THE UNIT</b>						
<ul style="list-style-type: none"> <li>-Place Value</li> <li>-Rounding to the nearest 10 and 100</li> <li>-Add/Subt. within 1000</li> <li>-Data (picture graphs/bar graphs w/scales at intervals of 1)</li> <li>-Measure lengths and show data on a line plot.</li> <li>-multiplication in extended facts???? <i>Present as "adding tens, hundreds"</i></li> </ul>	<ul style="list-style-type: none"> <li>-Intro to x/÷</li> <li>-equal groups</li> <li><del>-arrays, pictures</del></li> <li>-number models</li> <li>-repeat addition</li> <li>-skip counting by 2s, 3s, 5s, and 10s</li> <li>-counters</li> <li>-number lines</li> <li>-fact families</li> <li>-Understand there are five 3s in 15.</li> <li>-Graphing (relates to x/÷ within 100)</li> <li>-graphs scaled in multiples</li> </ul>	<ul style="list-style-type: none"> <li>-Commutative Property of Multiplication</li> <li>-fact families <i>arrays</i></li> <li>-parentheses with multiplication</li> <li>EX: <math>(8 \times 5) + (8 \times 2) = 7 \times 8</math></li> <li>-conversations about relationships between x and ÷.</li> <li>EX: <math>32 \div 8</math> means how many 8s in 32</li> <li>-Graphs scaled in multiples</li> <li>-Rulers: halves, wholes, fourths (scaffolds into fractions for later)</li> </ul>	<ul style="list-style-type: none"> <li>-Finding Area (relate to x and +)</li> <li>EX: Tiling a rectangle, making arrays</li> <li>-Number sequences/patterns (skip counting, multiples, forward and backward sequences)</li> <li>-Multiplication as it relates to addition, counting equal groups, area</li> <li>-Graphing (pictographs, bar graphs)</li> </ul>	<ul style="list-style-type: none"> <li>-identify and describe plane figures</li> <li>-identify examples and non-examples of plan and solid figures</li> <li>-identify differences among quadrilaterals</li> <li>-shapes in different categories</li> <li>-partitioning shapes into parts and equal areas (halves, thirds, fourths, sixths, and eighths)</li> <li>-collect data for bar graphs, pictographs, and line plots</li> </ul>	<ul style="list-style-type: none"> <li>-fraction strips</li> <li>-parts and wholes</li> <li>-compare fractions with the same denominator or the same numerator</li> <li>-equivalent fractions</li> </ul>	<ul style="list-style-type: none"> <li>-telling time to the minute</li> <li>-problems with elapsed time</li> <li>-mass/volume</li> <li>-area</li> <li>-perimeter</li> <li>-graph data</li> </ul>
<b>COMMON CORE STATE STANDARDS COVERED IN UNIT</b>						
<ul style="list-style-type: none"> <li>MCC.3.NBT.1</li> <li>MCC.3.NBT.2</li> <li>MCC.3.NBT.3</li> <li>MCC.3.MD.3</li> <li>MCC.3.MD.4</li> </ul>	<ul style="list-style-type: none"> <li>MCC.3.OA.1</li> <li>MCC.3.OA.2</li> <li>MCC.3.OA.3</li> <li>MCC.3.OA.4</li> <li>MCC.3.MD.3</li> <li>MCC.3.MD.4</li> </ul>	<ul style="list-style-type: none"> <li>MCC.3.OA.5</li> <li>MCC.3.OA.6</li> <li>MCC.3.OA.7</li> <li>MCC.3.MD.3</li> <li>MCC.3.MD.4</li> </ul> <p style="text-align: center;"><i>Fluently multiply &amp; divide 0-9</i></p>	<ul style="list-style-type: none"> <li>MCC.3.OA.8</li> <li>MCC.3.OA.9</li> <li>MCC.3.MD.3</li> <li>MCC.3.MD.4</li> <li>MCC.3.MD.5</li> <li>MCC.3.MD.6</li> <li>MCC.3.MD.7</li> </ul> <p style="text-align: center;"><i>3.OA.7</i></p>	<ul style="list-style-type: none"> <li>MCC.3.G.1</li> <li>MCC.3.G.2</li> <li>MCC.3.MD.3</li> <li>MCC.3.MD.4</li> </ul> <p style="text-align: center;"><i>3.OA.7</i></p>	<ul style="list-style-type: none"> <li>MCC.3.NF.1</li> <li>MCC.3.NF.2</li> <li>MCC.3.NF.3</li> <li>MCC.MD.3</li> <li>MCC.3.MD.4</li> </ul> <p style="text-align: center;"><i>3.OA.7</i></p>	<ul style="list-style-type: none"> <li>MCC.3.MD.3</li> <li>MCC.3.MD.4</li> <li>MCC.3.MD.7</li> <li>MCC.3.MD.8</li> </ul> <p style="text-align: center;"><i>3.OA.7</i></p>

MATH RECOVERY ACTIVITIES

<p>-Place Value Diagnostic Assessment</p> <ul style="list-style-type: none"> <li>-bundles and sticks</li> <li>-split, jump, and split/jump methods for adding and subtracting</li> <li>-arrow cards</li> <li>-spinner games</li> </ul>	<p>-Multiplication/Division Diagnostic Assessment</p> <ul style="list-style-type: none"> <li>-arrays</li> <li>-dot strips</li> <li>-treasure hunt game</li> <li>-multiplication spinner game</li> <li>-there are tons of games and activities for multiplication and division</li> </ul>				<p>-math recovery fractions lessons are comparative to Georgia unit lessons</p>	
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MM - Math Masters      J - Journal      EVERYDAY MATH LESSONS THAT GO WITH THE UNIT      HL - HomeLink

<p>MM pg. 8 # Sequences                  J1 - pg. 1                  1.2 (More + Less)                  1.3 (SRB)                  1.5                  Name That Number                  1.8 J1 - pg. 13                  HL - 1.8                  MM pg. 22                  Beat the Calculator                  J1 - pg. 18A + 18B                  1.12 MM pg. 29                  2.3                  2.4                  2.5                  2.6                  MM - pg. 50                  2.7                  J1 pg. 56</p>	<p>4.1                  4.7 Baseball X</p>	<p>4.2                  MM pg. 90 + 91                  4.3                  4.4, HL 4.4                  4.5, HL 4.5                  4.6                  MM 93-94                  MM 97                  HL 4.6-4.8                  MM 105-107                  4.8                  J1 pg. 96B</p>	<p>3.6                  3.7, HL 3.7                  MM pg. 73                  3.8, HL 3.8                  MM pg. 76</p>	<p>6.2                  MM pg. 170, 172                  6.4                  HL 6.4                  MM 176                  6.5                  MM 177                  6.6                  MM 180                  MM 179                  6.10 Congruent                  6.11-6.12 30</p>	<p>MM pg. 140</p>	<p>HL 1.4                  MM pg. 13                  J1 pg. 26                  HL 1.13                  3.2                  3.4                  HL 3.4                  3.6                  HL 3.6                  J1 pg. 112                  MM 205A                  MM 183, 184</p>
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MM 119, 422, 122  
 HL 5.1  
 HL 52  
 MM 125  
 MM 130

Graphing - 3.5, HL-3.5, MM 118A, MM 114, 5.2 J1 pg. 103A, 103B, MM pg. 166A

- Decide if we like the progression of skills taught
- Decide how many assessments to give
  - Come down to 7 units and 7 tests???
  - Possible quarter tests again???
- This could be done by taking random questions from the unit tests already given, and then putting them together in a quarter test to ask again by quarter to make sure kids are secure.
- Consolidate, tweak, subtract and add to the prom/se tests.
- Lay out our prom/se assessments and decide question by question which unit we would test it at
- Look for holes in the progression or units and decide where we would need to supplement
- Go through EM teacher manuals and decide which lessons can be used with the Georgia units (we know there are a lot of good lessons too)
- Make a list of materials needed for next year
- Ask Michelle if we can have rights to edit prom/se assessments in data director