Elementary Math; Grade 4 2015 – 2016

	Week	Major Concepts / Topics	Possible Resources: from NC DOE; See the topic in blue from 'Major Concepts/Topics.' Click on the aligned topic for help. Go Math lessons have been listed for *possible* practice.
Quarter 1 Aug 10 – Oct 16		Descriptions of the standards are listed first followed by the course description number for Florida Standards. To make this tool easy to use, we coded the standards in orange in the left column and gave you a blue hyperlink in the right column to help you and your child. Go Math lessons are also listed as possible practice. The hyperlinks get to the meat of understanding needed. Please use the hyperlinks before going to the Go Math Lessons.	
	1	Work on solving multistep word problems in each standard all year; First week of school should be devoted to beginning to understand the Standards of Math Practices as well as how math learning will occur for the year	• http://mathsolutions.com/common-core-support/
	2	A digit in one place represents ten times what it represents in the place to its right and place value understanding for rounding. [Florida Standards 4.NBT.1.1 & 1.3] [4.NBT.1; 4.NBT.3]	• Tasks for 4.NBT.1-4.NBT.3; Go Math Lessons- 1.1, 1.5, 2.3, 3.1, 4.3; 1.4, 1.6, 1.7, 2.4, 3.2, 4.3
	3	Continue place value understanding and read/write multi-digits using base-ten numerals, number names and expanded form; compare with >, <, =. [Florida Standards 4.NBT.1.3] [4.NBT.3]	• Go Math Lessons- 1.2, 1.3, 1.5
	4	Fluently +/- especially across zeroes and begin applying perimeter formula for rectangles. Assess weeks 1-4 together. [Florida Standards 4.NBT.2.4, 4.MD.1.3(perimeter) and 4.OA.1.3] [4.NBT.2.4]	• Tasks for 4.NBT.4-4.NBT.6; Go Math Lessons- 1.2, 1.3, 1.5; Lessons 13.1-13.5
	5	Interpret a multiplication equation as a comparison problem, X/÷ word problems w/drawings and the unknown number symbol. Assess these together. [Florida Standards 4.OA.1.1,1.2] [4.OA.1; 4.OA.2]	• Tasks for 4.OA.1-4.OA.3; Go Math Lessons- 2.1; 2.2
	6	Investigate factors/multiples and multiply whole numbers of 2, 3, or 4 digits by a 1-digit number. [Florida Standards 4.OA.2.4parts a-c and 4.NBT.2.5] [4.NBT.5; 4.OA.4]	• Tasks for 4.OA.4 Go Math Lessons- 2.3-2.11; 3.1-3.7
	7	Continue week 6 and embed area only then move to basic division with a variety of strategies. [Florida Standards 4.MD.1.3- area] Assess weeks 6-7 together. [4.MD.3; 4.NBT.6]	• Tasks for 4.MD.1-4.MD.3 Go Math Lessons- 4.1-4.12
	8	Using benchmark fractions with visuals ONLY- no algorithms yet focus on common denominators and explain why a fraction a/b is equivalent to a fraction (nXa)/(nXb). Assess together. [Florida Standards 4. NF1.1, 1.2].][4.NF.1; 4.NF.2]	• Tasks for 4.NF.1-4.NF.2 Go Math Lessons- 6.6-6.8
	9	Model-Eliciting Activity based on a standard or more from this quarter	•
	Week	**Major Concepts / Topics**	**Possible Resources**
Quarter 2 Oct 20 – Dec 18	1	Add/subtraction is the same as join/separating parts of the same whole, decompose a fraction; +/- mixed numbers with like denominators; solve word problems involving +/- of fractions [Florida Standards 4.OA.1.3; 4.NF.2.3 [4.OA.3; 4.NF.3]	• Go Math Lessons- 2.9, 2.12; 7.1-7.10

All standards are designed to be learned by the end of the course. This guide represents a recommended time line and sequence to be used voluntarily by teachers for planning purposes. Specific questions regarding when content will actually be addressed in a specific course are best answered by the individual teacher.

	2	Assess from week 1, assess, then begin understand a fraction a/b as a multiple of 1/b; understand a multiple of a/b as a multiple of 1/b, and solve wd problems involving X a fraction by a whole number [Florida Standards 4.NF.2.4a-c] [4.NF.4]	• Tasks for 4.NF.3-4.NF.4 • Go Math Lessons-8.1-8.5
	3	Finish from week 2, assess then begin express a fraction with denominator 10 as an equivalent fraction with denominator 100 and add; begin make a line plot of fractions in ½, ¼, and 1/8 and solve problems based on the line plot.) [Florida Standards 4.NF.3.5, 4.MD.2.4] [4.NF.5; 4.NF.4]	• Tasks for 4.NF.5-4.NF.7 • Go Math Lessons-9.3, 9.6, 12.5
	4	Decimal notation for fractions with denominators of 10 & 100; compare two decimals to hundredths by reasoning about their size.[Florida Standards 4.NF.3.6, 3.7] [4.NF.6; 4.NF.7]	• Go Math Lessons- 9.1, 9.2, 9.4
	5	Use the 4 operations to solve word problems with distance, intervals of time and money; represent fractions as linear models; know relative sizes of measurement within one system of units. Assess weeks 3-5. [Florida Standards 4.MD.1.2, MD.1.1] [4.MD.2, 4.OA.3]	• Tasks for 4.MD.4 • Go Math Lessons-9.5, 12.7; 12.1-12.11
	6	Multiply a two digit number by a two digit number focusing area . [Florida Standards 4.NBT.2.5, 4.MD.1.3] [4.NBT.5; 4.MD.3]	• Tasks for 4.MD.1-4.MD.3 • Go Math Lessons- 3.1-3.6; 13.2,13.3,13.5
	7	Three digit # ÷ by a 1 digit number and a four digit # ÷ by a 1 digit number. [Florida Standard 5.NBT.2.6] [4.NBT.6]	• Tasks for 4.NBT.4-4.NBT.6 • Go Math Lessons- 4.4-4.11
	8	Assess weeks 6-7 and multi-step word problems with whole numbers….	
	9	Model-Eliciting Activity based on a standard or more from this quarter	

	Week	**Major Concepts / Topics**	**Possible Resources**
Quarter 3 Jan 6 – Mar 17	1	Determine whether an equation is true or false by using comparative relational thinking and determine the unknown whole number in an equation relating four whole numbers using comparative relational thinking) Assess together. [New Florida Standards 4.OA.1 a and b] [4.OA.3]	• Relational-thinking.blog
	2	Know relative sizes of measurement units within one system of units. [Florida Standards 4.MD.1.1] [4.MD.1]	• Go Math Lessons- select lessons from chapter 12
	3	Use the 4 operations to solve word problems……. [Florida Standard 4.MD.1.2] [4.MD.2]	• Go Math Lessons- select lessons from chapter 12
	4	Apply the area and perimeter formulas for rectangles in real world and mathematical problems and generate a number or shape pattern that follows a given rule. [Florida Standards 4.MD.1.3 and 4.OA.3.5] [4.MD.3]	• Go Math Lessons- select lessons from chapter 13

	5	Assess weeks 2-4 together. Draw points, lines, segments, etc. and classify 2-D figures based on presence or absence of parallel or perpendicular lines….. [Florida Standards 4.G.1.1, 4.G.1.2] [4.G.1; 4.G.2]	• Tasks for 4.G.1-4.G.3 • Go Math Lessons- 10.1-10.4
	6	Recognize a line of symmetry for a 2-D figure… Assess weeks 5-6 geometry together; Begin an angle is measured with a reference to a circle… [Florida Standards 4.G.1.3 and 4.MD.3.5a] [4.G.3]	• Go Math Lessons- 10.5-10.6
	7	An angle that turns through n one-degree angles… and measure angles in whole-number degrees….[Florida Standards 4.MD.3.5b and 4.MD.3.6] [4.MD.5]	• Tasks for MD.5-MD.7 • Go Math Lessons- 11.1-11.2; 11.3
	8	Recognize angle measure as additive….) Assess weeks 7-8 together [Florida Standard 4.MD.3.7] [4.MD.7]	• Go Math Lessons- 11.4-11.5
	9	Model-Eliciting Activity based on a standard or more from this quarter	

	Week	Major Concepts / Topics	Possible Resources
Quarter 4 Mar 29 – May 26	1	FSA testing window	• Florida Standards Assessment training questions for grades 3-4
	2	Teachers will use their DE data, MFAS tasks, and classroom assessments to pull small groups based upon need. Students will continue to deepen their understanding of grade level math standards through the end of the year.	• Florida Students- website for tutorials and resources
	3	Teachers will use a lot of Project-based Learning for enrichment and remediation this last quarter of school.	
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