

3rd Grade Curriculum Map 2015-2016 enVisionMath

Pacing	September	October –November	December	January	February	March	April	May	June
enVision Topics	Topic 1: 9/03-9/23 <i>Numeration</i>	Topic 2: 9/24-10/09 <i>Number Sense: Addition and Subtraction</i> Topic 3: 10/12-10/30 <i>Using Place Value to Add and Subtract</i> Topic 4: 11/02-11/10 <i>Meanings of Multiplication</i>	Topic 5: 11/12- 11/25 <i>Multiplication Facts: Use Patterns</i> Topic 6: 11/30-12/18 <i>Multiplication Facts: Use Known Facts</i>	Topic 7: 1/04-1/13 <i>Meanings of Division</i> Topic 8: 1/14-1/29 <i>Division facts</i>	Topic 9: 2/01-2/12 8 lessons Understanding Fractions	Topic 10: 2/22-3/08 <i>Fraction Comparison and Equivalence</i> Topic 11: 3/09-3/25 <i>Two Dimensional Shapes and their Attributes</i>	Topic 12: 3/28-4/08 Time Topic 13: 4/11-4/27 <i>Perimeter</i> Topic 14: 4/28-5/17 <i>Area</i>	Topic 15: 5/18-5/27 <i>Liquid Volume</i> Topic 16: 5/31-6/10 <i>Data and Mass</i>	Step up to Fourth Grade: End of June 6/13-6/17
Domain	Number and Operations in Base Ten	Number and Operations in Base Ten Operations and Algebraic Thinking	Number and Operations in Base Ten Operations and Algebraic Thinking Measurement and Data	Operations and Algebraic Thinking	Number and Operations-Fractions Operations and Algebraic thinking	Number and Operations-Fractions Geometry	Geometry Measurement and Data	Measurement and Data	Number and Operations in Base Ten Operations and Algebraic Thinking Number and Operations-Fractions
District Assessments <i>Topic Tests are recommended Benchmark Tests are optional</i>	End of Year Test: 9/02-9/16 Aimsweb (M-COMP & M-CAP): 9/02-9/23			End of Year Test: 01/04-01/15 Aimsweb (M-COMP & M-CAP): 01/04-01/15					End of Year Test: 05/04-06/08 Aimsweb (M-COMP & M-CAP): 05/09-05/20
Learning Targets: Standards of Mathematical Practice embedded throughout: <i>Make sense of problems and persevere in solving them.</i> (MP1) <i>Reason abstractly and quantitatively</i> (MP2)	I can use place value understanding to round whole numbers to the nearest 10 or 100. (3.NBT.1) I can fluently add and subtract within 1000 using strategies and algorithms. (3.NBT.2)	I can use place value understanding to round whole numbers to the nearest 10 or 100. (3.NBT.1) I can fluently add and subtract within 1000 using strategies and algorithms. (3.NBT.2) I can solve two-step word problems using the four operations. (3.OA.8) I can interpret products of whole numbers. (3.OA.1) I can use multiplication and	I can use multiplication and division within 100 to solve word problems. (3.OA.3) I can apply properties of operations as strategies to multiply and divide. (3.OA.5) I can fluently multiply and divide within 100, using strategies or properties of operations. * By year-end know from memory all facts up to 9X9. (3.OA.7)	I interpret whole number quotients of whole numbers. (3.OA.2) I can use multiplication and division within 100 to solve word problems. (3.OA.3) I can determine the unknown number in a multiplication or division equation relating three whole numbers. (3.OA.4) I can understand division as an unknown factor problem. (3.OA.6)	I can understand a fraction as the quantity formed by 1 part when a whole is portioned into equal parts.(3.NF.1) I can understand a fraction as a number on the number line. (3.NF.2) I can represent a fraction on a number line by defining the interval from 0-1 and portioning it into equal parts.	I can understand a fraction as a number on the number line. (3.NF.2) I can explain equivalence of fractions and compare them by reasoning about their size. (3.NF.3) I can understand two fractions as equivalent if they are same size or same point on a number line.. (3.NF.3a) I can recognize and	I can tell and write time to the nearest minute and measure time intervals in minutes. (3.MD.1) I can solve real world and mathematical problems involving perimeter of polygons.(3.MD.8) I can recognize area as an attribute of plane figures and understand the concepts of area. (3.MD.5) I can measure areas by counting unit squares. (3.MD.6)	I can measure and estimate liquid volumes and masses of objects using standard units of grams, kilograms, and liters. (3.MD.2) I can draw scaled picture and bar graphs to represent data and solve problems with them. (3.MD.3) I can measure to generate data and show the data on a line plot. (3.MD.4)	I can multiply a whole number of up to four digits by a one-digit whole number and multiply two two-digit numbers and illustrate and explain the calculation by using equations, rectangular arrays, and/or area models. (4.NBT.5) I can find quotients and remainders with up to four digit dividends with a one

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Construct viable arguments and critique the reasoning of others (MP3) Model with mathematics. (MP4) Use appropriate tools strategically (MP5) Attend to precision (MP6) Look for and make use of structure (MP7) Look for and express regularity in repeated reasoning (MP8)		division within 100 to solve word problems. (3.OA.3) I can apply properties of operations as strategies to multiply and divide. (3.OA.5) I can identify arithmetic patterns and explain them using properties of operations. (3.OA.9)	I can solve two-step word problems using the four operations. (3.OA.8) I can identify arithmetic patterns and explain them using properties of operations. (3.OA.9) I can multiply one-digit whole numbers by multiples of 10 in the range 10-90 using strategies based on place value and properties of operations. (3.NBT.3) I can use tiling to show the area of a rectangle. (3.MD.7c) I can distinguish between perimeter and area in real world problems. (3.MD.8)	I can apply properties of operations as strategies to multiply and divide. (3.OA.5) I can fluently multiply and divide within 100, using strategies or properties of operations. * By year-end know from memory all facts up to 9X9. (3.OA.7) I can solve two-step word problems using the four operations. (3.OA.8) I can identify arithmetic patterns and explain them using properties of operations. (3.OA.9)	(3.NF.2a) I can represent a fraction a/b on a number line diagram by marking off a lengths 1/b from 0. (3.NF.2b) I can use multiplication and division within 100 to solve word problems. (3.OA.3)	generate simple equivalent fractions. (3.NF.3b) I can show whole numbers as fractions and recognize that fractions are equivalent to whole numbers (3.NF.3c) I can compare two fractions with the same numerator or denominator. (3.NF.3d) I can understand that shapes in different categories may share attributes and that the shared attributes can define a larger category. I can recognize quadrilaterals and draw examples and nonexamples of them. (3.G.1) I can partition shapes into parts with equal areas and identify them as a unit fraction. (3.G.2)	I can relate area to the operations of multiplication and addition. (3.MD.7) I can find the area of a rectangle with whole number side lengths by tiling it, and show that the area is the same as would be found by multiplying.(3.MD.7a) I can multiply side lengths to find areas of rectangles in real world and mathematical problems. (3.MD.7b) I can use tiling to show the area of a rectangle. (3.MD.7c) I can recognize area as additive. (3.MD.7d) I can partition shapes into parts with equal areas and identify them as a unit fraction. (3.G.2)		digit divisor (4.NBT.6) I can solve multi-step word problems using the four operations, interpret the remainder, represent the problems using equations, and assess the reasonableness of the answer. (4.OA.3) I can find all the factor pairs of a whole number from 1-100, recognize the relationship between a multiple and a factor, and determine whether a number is prime or composite. (4.OA.4) I can solve word problems involving addition and subtraction of fractions. (4.NF.3d)
Basic Skills/Computation to Address	Basic + facts Basic - facts + and –algorithms Xtramath.org will support quick recall of facts	Review and practice basic + facts Basic - facts + and –algorithms Xtramath.org will support quick recall of facts	Basic multiplication and division facts	Mastery of multiplication and division facts.	Review multiplication and division facts	Review multiplication and division facts	Review multiplication and division facts	By the end of 3 rd grade, I will know from memory all the multiplication facts to 100 and use strategies for division facts (3.OA.7)	