

*Curriculum Map*

<b>Course Title: Math</b>	<b>Quarter:</b>	<b>Academic Year: 2015-2016</b>
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**Essential Questions for this Quarter:**

1.

Unit/Time Frame	Standards	Content	Skills	Assessment	Resources
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Many standards are ongoing throughout the year.	<b>MA 0.1 NUMBER:</b>		Students will communicate number sense concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	Individual assessment is conducted for each skill/standard.	These Resources are available throughout the year: *Drop in the Bucket *Math Meeting * Manipulatives (teddy bears, pattern blocks, and linking cubes) *Saxon Math Lessons 1-135
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	<b>MA.0.1.1 Numeric Relationships:</b>		<b>Students will demonstrate, represent, and show relationships among whole numbers within the base-ten number system.</b>		
Quarters 1-4	MA 0.1.1.a	<b>INSTRUCTION:</b> The Meeting: Meetings 1–25 New Concept: Lessons 7, 8, 9, 13, 41, 61, 64, 65, 67, 68, 74A, 81, 109 Standards Success: Lesson 74: Extension Activity 3 <b>MAINTENANCE:</b> Lesson Practice Worksheet: Lessons 5, 7, 8, 13, 14, 15, 17, 19, 21, 29, 31, 33, 35, 36, 38, 58, 65, 67, 68, 69, 71, 72, 77, 79, 81, 87, 102, 104, 105, 106, 107	Perform the counting sequence by counting forward from any given number to 100, by ones. Count by tens to 100 starting at any decade number.	Calendar, formal and informal assessments, Saxon oral assessment 2.	Calendar, counting games, iPad apps, IXL.

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		Math Center Activities: Lessons 24, 42, 61, 68			
Quarters 1-3	MA 0.1.1.b	<b>INSTRUCTION:</b> The Meeting: Meetings 2, 3, 4A, 5–25 New Concept: Lessons 7, 8, 9, 13, 24, 41, 42, 69, 73 <b>MAINTENANCE:</b> Lesson Practice Worksheet: Lessons 8, 24, 41, 42, 51, 59, 61, 62, 69, 71, 72, 73, 98, 99, 117, 118 Math Center Activities: Lesson 8, 24, 42, 62, 73 Extend & Challenge CD: Lesson 51	Demonstrate cardinality (i.e. the last number name said indicates the number of objects counted), regardless of the arrangement or order in which the objects were counted.	Informal and formal assessment, Count it out exercise from math intervention binder.	Math centers, math manipulatives (teddy bears, linking cubes, pattern blocks)
Quarters 1-4	MA 0.1.1.c	<b>INSTRUCTION:</b> The Meeting: Meetings 2, 3, 4A, 5–25	Use one-to-one correspondence (pairing each object with one and only	Informal and formal	Math centers, Saxon math

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		<p>New Concept: Lessons 7, 8, 9, 13, 21, 35, 36, 38, 61, 74, 80-1, 109, 132</p> <p>MAINTENANCE: Lesson Practice Worksheet: Lessons 5, 7, 13, 17, 22, 61, 62</p> <p>Math Center Activities: Lessons 61, 74</p>	<p>one spoken number name, and each spoken number name with one and only one object) when counting objects to show the relationship between numbers and quantities of 0 to 20.</p>	<p>assessment, Saxon oral assessment 4, Monster Mash one-to-one correspondence exercise.</p>	<p>lessons, number cards, math manipulatives (teddy bears, linking cubes, pattern blocks).</p>
Quarters 1-4	MA 0.1.1.d	<p>INSTRUCTION: The Meeting: Meetings 2, 3, 4A, 5–25</p> <p>New Concept: Lessons 8, 9, 13, 21, 35, 36, 48, 49, 74, 75, 80-1, 109, 110-1</p> <p>MAINTENANCE: Lesson Practice Worksheet: Lessons 8, 41, 42, 48, 51, 53, 59, 61, 62, 69, 117</p>	<p>Demonstrate the relationship between whole numbers, knowing each sequential number name refers to a quantity that is one larger.</p>	<p>Formal and informal assessment, Saxon oral assessment 3.</p>	<p>Number cards, counting chart, math centers.</p>

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		Math Center Activities: Lessons 21, 35			
Quarters 1-4	MA 0.1.1.e	<p><b>INSTRUCTION:</b> The Meeting: Meetings 11–15, 17, 19–25 New Concept: Lessons 7, 13, 24, 41, 42, 51, 61, 64, 69, 73, 80-1, 110-1, 132</p> <p><b>MAINTENANCE:</b> Lesson Practice Worksheet: Lessons 5, 7, 11, 13, 14, 15, 17, 19, 22, 29, 31, 69, 71, 72, 73, 79, 98, 99, 104, 105, 106, 107, 117, 118</p> <p>Handwriting Practice Worksheet: Lessons 14, 15, 17, 19, 22, 24, 26, 28, 29, 32, 33, 34, 36, 37, 38, 42, 43,</p>	<p>Count up to 20 objects arranged in a line, a rectangular array, or a circle. Count up to 10 objects in scattered configuration. Count out the number of objects, given a number from 1 to 20.</p>	<p>Formal and informal assessments, Saxon oral assessment 4, Saxon math center activity 9 and 17.</p>	<p>Math manipulatives (teddy bears, linking cubes, pattern blocks), math centers, Saxon math worksheets, supplemental worksheets.</p>

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		44, 46, 47, 48, 52, 54, 56, 57, 74, 75, 77, 126, 129, 1 31, 132 Math Center Activities: Lessons 24, 42, 51, 61, 73			
Quarters 1-4	MA 0.1.1.f	<b>INSTRUCTION:</b> The Meeting: Meetings 20–25 New Concept: Lessons 24, 42, 51, 62, 69, 73, 80-1, 90-1, 110-1, 132 <b>MAINTENANCE:</b> Lesson Practice Worksheet: Lessons 24, 41, 42, 51, 58, 59, 61, 62, 63, 69, 71, 72, 73, 98, 99, 104, 106, 107, 117,	Write numbers 0 to 20 and represent a number of objects with a written numeral 0 to 20.	Number writing assessment (formal and informal) and domino activities, matching number cards to teddy bears.	Saxon worksheets, supplemental worksheets.

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		118, 126, 128, 131, 132 Handwriting Practice Worksheet: Lessons 1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 13, 14, 15, 16, 17, 19, 21, 22, 23, 24, 2 5, 26, 28, 29, 31, 32, 33, 34, 35, 36, 37, 38, 41, 42, 43, 44, 45, 46, 47, 48, 51, 52, 53, 54, 55, 56, 57, 58, 59, 61, 62, 63, 64, 65, 68, 71, 72, 73, 74, 75, 77, 78, 79, 81, 82, 83, 84, 85, 86, 87, 88, 91, 92, 94, 96, 99, 101 , 102, 104, 106, 108, 125, 126, 128, 129, 131, 132 Math Center Activities: Lessons 24, 42, 62, 69			
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Quarters 2-4	MA 0.1.1.g	<b>INSTRUCTION:</b> The Meeting: Meetings 17, 19, 21, 23, 25 New Concept: Lessons 65, 80-1, 92, 94, 110-1, 132 <b>MAINTENANCE:</b> Lesson Practice Worksheet: Lessons 92, 94 Handwriting Practice Worksheet: Lessons 101, 131 Math Center Activities: Lesson 92	Compose and decompose numbers from 11 to 19 into ten ones and some more ones by a drawing, model, or equation (e.g., $14 = 10 + 4$ ) to record each composition and decomposition.	Lesson practice worksheets, domino addition and subtraction exercises from math intervention binder, Saxon math center 92.	Math manipulatives (teddy bears, linking cubes), Saxon math worksheets, math centers.
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Quarters 1-4	MA 0.1.1.h	<b>INSTRUCTION:</b> New Concept: Lessons 5, 6, 11, 13, 17, 22, 42, 58, 71, 73, 90-1, 98, 99, 102, 117, 118, 120-1, 132 <b>MAINTENANCE:</b> Lesson Practice Worksheet: Lessons 5, 7, 11, 13, 17, 22, 24, 29, 58, 61, 62, 69, 71, 98, 99, 102, 107, 117, 118 Math Center Activities: Lessons 8, 17, 21, 22, 24, 35, 42, 58, 61, 62, 72, 99, 113, 118	Compare the number of objects in two groups by identifying the comparison as greater than, less than, or equal to by using strategies of matching and counting.	Formal and informal assessment, various graphing exercises, Saxon oral assessment 9.	Math manipulatives (teddy bears, linking cubes, pattern blocks), lesson practice worksheets, supplemental worksheets, math centers.
Quarters 1-4	MA 0.1.1.i	<b>INSTRUCTION:</b> New Concept: Lessons 21, 35, 36, 38, 48, 49, 71, 74, 75, 99, 102, 109	Compare the value of two written numerals between 1 and 10.	Formal and informal assessment, Counting Towers	Number lines, deck of cards, number cards, teddy bears,

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		MAINTENANCE: Lesson Practice Worksheet: Lessons 48, 53, 109 Math Center Activities: Lessons 21, 35, 38, 99, 102		(Kindergarten Smarts), various number card games.	demonstration dot cubes
	MA 0.1.2		Operations: Students will demonstrate the meaning of addition and subtraction with whole numbers and compute accurately.		
Quarters 1-4	MA 0.1.2.a	INSTRUCTION: New Concept: Lessons 18, 44, 50-2, 80-2, 89, 119, 121, 127, 128, 130-2	Fluently (i.e. automatic recall based on understanding) add and subtract within 5.	Lesson practice worksheet, Supplemental worksheets,	Demonstration dot cubes, teddy bear counters, linking cubes, math

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		MAINTENANCE: Lesson Practice Worksheet: Lessons 117, 118, 121, 122, 126, 128, 131, 132 Handwriting Practice Worksheet: Lessons 24, 29, 34, 38, 74, 126, 131, 132 Math Center Activities: Lesson 73 Extend & Challenge CD: Lessons 89, 128			centers
	<b>MA 0.2</b> <b>ALGEBRA:</b>		Students will communicate algebraic concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.		

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	MA 0.2.1 Algebraic Relationships:		Students will demonstrate, represent, and show relationships with expressions and equations.		
Quarters 3-4	MA 0.2.1.a	INSTRUCTION: New Concept: Lessons 73, 90-2, 120-2 Standards Success: Lesson 119: Extension Activity 7 MAINTENANCE: Lesson Practice Worksheet: Lessons 73, 117, 118 Handwriting Practice Worksheet: Lessons 74, 75, 77, 126, 129, 131, 132 Math Center Activities: Lesson 73	Decompose numbers less than or equal to 10 into pairs in more than one way, showing each decomposition with a model, drawing, or equation (e.g., $7 = 4 + 3$ and $7 = 1 + 6$ ).	Lesson practice worksheets, formal and informal assessment, domino addition, addition exercises from math intervention binder, Saxon math center activity 35.	Demonstration and student dot cubes, teddy bear counters, linking cubes, math centers
Quarter 4	MA 0.2.1.b	INSTRUCTION:	For any number from 1 to 9, find the	Formal individual	Dominoes, dot

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		New Concept: Lesson 117, 118, 120-2 Standards Success: Lesson 59: Extension Activity 2 MAINTENANCE: Handwriting Practice Worksheet: Lessons 131, 132 Math Center Activities: Lesson 118	number that makes 10 when added to the given number, showing the answer with a model, drawing, or equation.	assessment and observation, make 10 booklet, make 10 worksheets	cubes, math centers
	MA 0.2.2 Algebraic Processes:		Students will apply the operational properties when adding and subtracting.		
	MA 0.2.3 Applications:		Students will solve real-world problems involving addition and subtraction.		
Quarters 1-4	MA 0.2.3.a	INSTRUCTION:	Solve real-world problems that involve	Supplemental	Pattern blocks,

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		New Concept: Lessons 18, 27, 44, 49, 50-2, 51, 59, 80-2, 89, 100-2, 110-2, 121, 127, 128, 130-2 MAINTENANCE: Math Center Activities: Lessons 51 Extend & Challenge CD: Lessons 51, 89, 128	addition and subtraction within 10 (e.g., by using objects, drawings or equations to represent the problem).	worksheet, informal assessments, Saxon oral assessment 11	teddy bear counters, cans and boxes (empty), coins, math centers, Saxon Extend and Challenge.
	<b>MA 0.3 GEOMETRY:</b>		Students will communicate geometric concepts and measurement concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.		
	<b>MA 0.3.1 Characteristics</b>		Students will identify and describe geometric characteristics and create		

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			twoand three-dimensional shapes.		
Quarters 1-3	MA 0.3.1.a	<b>INSTRUCTION:</b> The Meeting: Meetings 7, 8, 10, 12, 13, 15, 17, 19, 21, 23, 25 New Concept: Lessons 19, 23, 31, 32, 43, 54, 61, 93 Standards Success: Lesson 31: Extension Activity 1 <b>MAINTENANCE:</b> Lesson Practice Worksheet: Lessons 4, 14, 15, 19, 22, 23, 29, 31, 32, 37, 43, 54, 56, 57, 63, 79, 86, 108, 123 Math Center Activities: Lesson 63	Describe real-world objects using names of shapes, regardless of their orientation or size (e.g., squares, circles, triangles, rectangles, hexagons, cubes, cones, spheres, and cylinders).	Saxon oral assessment 1, formal and informal assessment	Round and rectangular crackers, Saxon shape pieces, demonstration dot cubes, foam gemometric shapes, wooden geometric shapes, classroom objects (cubes, spheres, cylinders, etc.), cylindrical food containers



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Quarters 1-4	MA 0.3.1.b	<b>INSTRUCTION:</b> New Concept: Lessons 19, 31, 61, 112, 123 Standards Success: Lesson 112: Extension Activity 6 <b>MAINTENANCE:</b> Lesson Practice Worksheet: Lessons 19, 31, 93, 112, 123	Identify shapes as two-dimensional ("flat") or three-dimensional ("solid").	Formal and informal assessments, Saxon oral assessment 13	Saxon shape pieces, demonstration dot cubes, foam gemometric shapes, wooden geometric shapes, classroom objects (cubes, spheres, cylinders, etc.), cylindrical food containers, Extension Activity 6
Quarters 1-4	MA 0.3.1.c	<b>INSTRUCTION:</b> New Concept:	Compare and analyze two- and three-dimensional shapes, with different	Geoboards, Saxon oral	Saxon shape pieces,

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		Lesson 19, 23, 31, 32, 43, 50-1, 54, 57, 61, 63, 85, 86, 93, 105, 108, 112, 123 Standards Success: Lesson 112: Extension Activity 6 MAINTENANCE: Lesson Practice Worksheet: Lessons 19, 22, 23, 29, 31, 32, 37, 43, 54, 56, 57, 63, 79, 85, 86, 93, 104, 105, 112, 123 Math Center Activities: Lessons 86, 129 Extend & Challenge CD: Lessons 32, 43	sizes and orientations to describe their similarities, differences, parts (e.g., number “corners”/vertices), and other attributes (e.g., sides of equal length).	assessment 10, Saxon oral assessment 15, formal and informal assessment	demonstration dot cubes, foam geometric shapes, wooden geometric shapes, classroom objects (cubes, spheres, cylinders, etc.), cylindrical food containers, geoboards and geobands, tangrams, workmats, pattern blocks
Quarters 1-4	MA 0.3.1.d	INSTRUCTION: New Concept:	Model shapes found in the real world by building shapes from materials	Baseline and quarterly	Geoboards and geobands,

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		Lessons 14, 15, 29, 40-2, 56, 57, 63, 70-2, 79, 86, 108, 114, 129 <b>MAINTENANCE:</b> Lesson Practice Worksheet: Lessons 14, 15, 22, 29, 33, 35, 36, 38, 57, 63, 65, 79, 86, 88, 101, 104, 108, 121, 122, 123, 125, 126, 128, 129, 131, 132 Handwriting Practice Worksheet: Lessons 14, 17, 26, 32, 36, 42, 46, 52, 57 Math Center Activities: Lessons 15, 29, 56, 63, 79, 86, 108, 114, 129	(e.g., clay and pipe cleaners) and drawing shapes.	assessments, shape journal, lesson practice worksheets	workmats, play doh, tangrams, math centers, shape journal
Quarters 1-4	MA 0.3.1.e	<b>INSTRUCTION:</b> New Concept: Lessons 3, 4, 14, 15, 29, 70-2, 79, 104, 105,	Combine simple shapes to compose larger shapes (e.g., use triangle pattern blocks to build a hexagon).	Formal and informal assessments,	Tangrams, workmats, pattern blocks, Saxon

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		108, 114 <b>MAINTENANCE:</b> Lesson Practice Worksheet: Lessons 14, 15, 29, 79, 104, 108 Math Center Activities: Lessons 4, 15, 29, 79, 105, 108, 114 Extend & Challenge CD: Lessons 15, 29		Saxon oral assessment 13, pattern block workmats	Extend and Challenge, lesson practice worksheets, math centers.
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	<p>MA 0.3.2 Coordinate Geometry</p>		<p>Students will determine location, orientation, and relationships on the coordinate plane.</p>		
Quarters 1-3	MA 0.3.2.a	<p><b>INSTRUCTION:</b> New Concept: Lessons 12, 23, 31, 32, 43, 48, 54, 75 Standards Success: Lesson 31: Extension Activity 1</p>	<p>Describe the relative positions of objects (e.g., above, below, beside, in front of, behind, next to, between).</p>	<p>Formal and informal assessment, creating a shape</p>	<p>Extension 1 Activity, teddy bear counters, number lines, shape</p>

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		MAINTENANCE: Lesson Practice Worksheet: Lessons 48, 53		matrix	pieces
	<b>MA 0.3.3</b> <b>Measurement</b>		<b>Students will perform and compare</b> <b>measurements and apply formulas.</b>		
Quarters 1-4	MA 0.3.3.a	<b>INSTRUCTION:</b> New Concept: Lessons 53, 72, 83, 84, 87, 93, 106, 131, 133 Standards Success: Lesson 93: Extension Activity 4 <b>MAINTENANCE:</b> Lesson Practice Worksheet: Lessons 72, 83, 84, 87, 93, 106, 112, 133 Math Center Activities: Lessons 53, 72, 83, 84, 87, 106, 133	Describe measurable attributes of real-world objects (e.g., length or weight)	Formal assessment (e.g., paper feet, string, balance, etc.)	Balance, ruler, containers of different sizes, classroom objects of differing lengths and sizes, linking cubes, Extension Activity 4

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Quarters 2-4	MA 0.3.3.b	<b>INSTRUCTION:</b> New Concept: Lessons 53, 72, 83, 84, 87, 90-1, 93, 112, 115,	Compare length and weight of two objects (e.g., longer/shorter, heavier/lighter).	Formal assessment (e.g., paper feet,	Balance, ruler, classroom objects of differing lengths
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		120-1, 131 Standards Success: Lesson 93: Extension Activity 4 MAINTENANCE: Lesson Practice Worksheet: Lessons 23, 32, 43, 83, 84, 87, 93, 108, 112 Math Center Activities: Lessons 53, 72, 83, 84		string, balance, etc.)	and sizes, linking cubes, Extension Activity 4
	<b>MA 0.4 DATA:</b>		Students will communicate data analysis/probability concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.		
	<b>MA 0.4.1 Representation</b>		Students will create displays that represent data.		



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	MA 0.4.2 Analysis & Applications		Students will analyze data to address the situation.		
Quarters 1-4	MA 0.4.2.a	<b>INSTRUCTION:</b> New Concept: Lessons 11, 16, 17, 22, 23, 31, 32, 34, 43, 50-1, 54, 58, 83, 85, 105, 113, 123 <b>MAINTENANCE:</b> Lesson Practice Worksheet: Lessons 14, 15, 16, 17, 19, 22, 23, 29, 31, 32, 43, 54, 58, 79, 83, 85, 104, 105, 108, 123 Math Center Activities: Lessons 17, 22, 24, 34, 58, 83, 113 Extend & Challenge CD: Lessons 17, 32, 43	MA 0.4.2.a Identify, sort, and classify objects by size, shape, color, and other attributes. Identify objects that do not belong to a particular group and explain the reasoning used.	Saxon oral assessment 6	shape pieces, pattern blocks, teddy bear counters, tangrams, linking cubes, buttons

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	MA 0.4.3 Probability:		Students will interpret and apply concepts of probability.		

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**Essential Questions for this Quarter:**

1.

Unit/Time Frame	Standards	Content	Skills	Assessment	Resources
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*Curriculum Map*

<b>Course Title: Math</b>	<b>Quarter:</b>	<b>Academic Year: 2015-2016</b>
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1.

Unit/Time Frame	Standards	Content	Skills	Assessment	Resources
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