



Math Curriculum Guide: Kindergarten

Revised for 2008-2009

INTRODUCTION:

This Curriculum Guide has been newly expanded to include additional resources beyond the textbook to address the grade level Standards of Learning. The Harcourt Math Center Mega Math software which is accessible through the LCS computers provides a variety of interactive activities for exploring concepts and practicing skills. Also noted in the Curriculum Guide are sets of manipulatives that are available in each school's library for teaching math topics in a concrete manner. The combination of textbooks, manipulatives, and software resources related to the particular SOL being taught will provide a powerful learning tool for the variety of learning styles that students have. We look forward to your comments and suggestions for improvement as we work together to provide the best possible educational experience for children in the Lynchburg City Schools.

When one views a curriculum sequence like this one, it is critical that the listing not be interpreted to mean that each topic should be taught only once. Rather, the introduction of that topic should occur before or within the given six weeks, and a major focus during that time would be to address those specific SOL.

As educators, we recognize that it is unrealistic to think that these topics can be taught and mastered in a day or even a week. A sound educational approach involves weaving the math SOL throughout the school year and into other subject matter as well. To truly understand and be able to demonstrate mastery of the math SOL, students need to experience the SOL content spiraled throughout the curriculum at appropriate cognitive levels during the entire school year.

As you use this guide, periodically send your comments and suggestions for improvement to Patty West at westpl@lcsedu.net.

Thank you for all that you do for our children and for your fellow educators.

2008-2009 Kindergarten Math Sequence (page 1 of 2)

1st Six Weeks	SOL Objectives	Resources
		Textbook Chapters & *Harcourt Math Center Activities
	K.3 – Ordinal Position of Three Items (from left to right, right to left, top to bottom, and bottom to top).	^M Ch.1 Sort and Classify *HMC/ ShapesAhoy/ Ship Shapes/A, G-H HMC/ ShapesAhoy/ Sea Cave Sorting/A-D
	K.12 – Identify Representations of PGF (○, △, □, ◻) and their positions relative to each other.	
	K.17 - Sorting and Classifying Objects by Size, Shape and Color.	
	K.13 Compare the shape of PGF (○, △, □, ◻)	
	K.1 – Compare sets of 10 or less, and identify if one has More, Fewer, or the Same	Ch. 3 Numbers 0 to 5 Ch. 4 Numbers 6 to 10
	K.2 – Counting Items (to 10) and Identifying and writing numerals	HMC/CountryCountdown/CountCritters/A-B HMC/ CountryCountdown/Harrison's/ A-D
Notes: ^M Class sets of Attribute Blocks are available in your library. *Harcourt Math Center Mega Math is on a CD that should be loaded on the computers in your school. If you can not find it please see your Technology Specialist.		
2d Six Weeks	SOL Objectives	Resources
	K.18 – Identify, Describe, and Extend a Pattern	Ch.2 Patterns HMC/ Shapes/ Ship Shapes/B-F
	K.15 – Display Information in Object and Picture Graphs and Tables	Ch. 3.4 and 4.8 Graphs
	K.5 – Counting backward from 10	Ch. 4.7
3rd Six Weeks	SOL Objectives	Resources
	K.17 - Sorting and Classifying Objects by Size, Shape and Color	^M Ch. 5 Geometry and fractions
	K.11 – Identify, Describe, and Draw Plane Geometric Figures (PGF ○, △, □, ◻)	
	K.13 Compare the size of plane geometric figures	
	K.5 – Counting forward to 30 and backward from 10	Ch. 6 Numbers 10 to 30 Ch.6.6 Data from a graph
	K.15 – Display Information in Object and Picture Graphs and Tables	HMC/ CountryCountdown/ WhiteWater/A-D
Notes: ^M The Attribute Blocks in your library are excellent for exploring plane geometric shapes, patterns and fractions.		

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4th Six Weeks	SOL Objectives	Resources
		Textbook Chapters & Harcourt Math Center Activities
K.5 – *Counting forward to 30 and backward from 10		Ch. 7 Number patterns HMC/Numberopolis/ CrossTown/A-B
K.4 – Counting by 5s and 10s to 30 using concrete objects and a calculator		
K.3 – Ordinal Position of Three Items (from left to right, right to left, top to bottom, and bottom to top).		
K.7 – Identify Pennies, Nickels, Dimes and Quarters and determine the values of a collection of pennies and/or nickels to ten cents		Ch. 8 Money and Time HMC/ Numberopolis/ Lulu’s Lunch/A-E HMC/ Shapes Ahoy/ Measure/A, B ^M Money Manipulatives ^M Clock Manipulatives ^M Inchworms
K.10 – Comparing Objects and Events Using Direct Comparison or Non-standard Units		
K.8 – Instrument to Measure Time		
K.9 – Time to the Hour with an Analog or Digital Clock		
Notes: * Although SOL K.5 requires students to count forward to 30, the Kindergarten Report Card assesses students on counting to 100. ^M Class sets of Money manipulatives are in your library. ^M Class sets of geared clocks are in your library. ^M A class set of inchworms is in your library.		
5th Six Weeks	SOL Objectives	Resources
K.10 – Comparing Objects and Events Using Direct Comparison or Non-standard Units		Ch. 9 Measurement ^M Balances and Weights
K.8 – Instruments to Measure Length, Weight and Temperature		
K.15 – Display Information in Object and Picture Graphs and Tables		Ch. 10 Graphing and Probability HMC/ Numberopolis/ Wash&Spin/A
K.14 – Gather Data by Counting and Tallying		
K.16 – 2-colored Counters and Multicolored Spinners		
Notes: ^M A class set of balances and weights to measure mass are in your library.		
6th Six Weeks	SOL Objectives	Resources
K.6 – Adding and Subtracting up to 10		Ch. 11 Addition Ch. 12 Subtraction HMC/ Numberopolis/ Carnival/A-E HMC/ Country/ Block Buster/A-C

