

# CARROLL COUNTY SCHOOL DISTRICT CURRICULUM WEEKLY PACING GUIDE 2007 REVISED MS MATHEMATICS FRAMEWORK

**Grade Level:** 5<sup>TH</sup>      **Subject:** Mathematics      **Term:** Aug. 8 – Oct. 12, 2007

\*LEVELS:    I = INTRODUCTORY      M = MASTERY      O = ONGOING  
 Competencies (Bold/Italics/Underlined)    Objectives (Bold)    Benchmarks (Unbold)

The teacher will model the objective, work through a guided practice, and assign independent practice for each of the following objectives:

Weekly Date	Competencies/ Objectives	*Level	Description of Competencies/Objectives/Benchmarks	Competencies/Objectives/ Assessments (# and types)		Strategies/Resources
				SPMS (Vantage)	Assessment	
	District / State		Description			Strategies/ Resources
Aug. 8-10			<b>Classroom rules and Handbook policies</b>			
	<b><u>M.5.1</u></b>		<b><u>Analyze relationships among numbers and the four basic operations, compute fluently, and make reasonable estimates.</u></b>			
Aug. 13-17	<b>M. 5.1.a *</b>	<b>O</b>	<b>Compare and order integers, decimals to the nearest thousandths, like and unlike fractions, and mixed numbers using &gt;, &lt;, and =. (DOK 1) ***</b>			
Aug. 20-24	<b>M. 5.1.b</b>	<b>M</b>	<b>Compose and decompose seven-digit numbers and decimals through thousandths in word, standard, and expanded forms. (DOK 1)</b>			
	<b><u>M.5.2.c</u></b>	<b><u>O</u></b>	<b>Apply the properties of basic operations to solve problems:</b>			

Aug. 27-31						
Aug.27-31	<i>M.5.2.c</i>	O	• <b>Zero property of multiplication</b>			
Aug 27-31	<i>M.5.2.c</i>	O	• <b>Commutative properties of addition and multiplication</b>			
Aug. 27-31	<i>M.5.2.c</i>	O	• <b>Associative properties of addition and multiplication</b>			
Aug. 27-31	<i>M.5.2.c</i>	O	• <b>Distributive properties of multiplication over addition and subtraction</b>			
Aug. 27-31	<i>M.5.2.c</i>	<i>M</i>	• <b>Identity properties of addition and multiplication</b>			
Aug. 27-31 Sept. 4-7 Sept. 10-14	<b>M. 5.1.f*</b>	O	<b>Add, subtract, multiply, and divide (with and without remainders) using nonnegative rational numbers. (DOK 1)</b>			

Sept. 17-21	<b>M. 5.1.g</b>	<b>M</b>	<b>Estimate sums, differences, products, and quotients of non-negative rational numbers to include strategies such as front-end rounding, benchmark numbers, compatible numbers, and rounding. (DOK 2)</b>			
Sept. 24-28	<b>M. 5.1.d</b>	<b>M</b>	<b>Model and distinguish between prime and composite numbers. (DOK 1)</b>			
Oct. 1-5			<b>Review Week</b>			
Oct. 8-12			<b>Nine Weeks' Tests</b>			

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**Grade Level:** 5<sup>TH</sup>      **Subject:** Mathematics      **Term:** Oct. 12 – Dec. 20, 2007

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Competencies (Bold/Italics/Underlined)    Objectives (Bold)    Benchmarks (Unbold)

The teacher will model the objective, work through a guided practice, and assign independent practice for each of the following objectives:

Oct. 16-19	<b>M. 5.1.c</b>	<b>M</b>	<b>Identify factors and multiples of whole numbers. (DOK 1)</b>			
Oct. 22-26	<b>M. 5.1.e</b>	<b>M</b>	<b>Model and identify equivalent fractions including conversion of improper fractions to mixed numbers and vice versa. (DOK 1)</b>			
Nov. 5-9	<b>M. 5.1.a *</b>	<b>O</b>	<b>Compare and order integers, decimals to the nearest thousandths, like and unlike fractions, and mixed numbers using &gt;, &lt;, and =. (DOK 1) ***</b>			
	<b><u>M.5.2</u></b>		<b>Explain and analyze number relationships and functions using algebraic symbols, and demonstrate an understanding of the properties of the basic operations. (DOK 2)</b>			
Nov. 12-16	<b>M.5.2.a</b>	<b>M</b>	<b>Determine the value of variables in equations and inequalities, justifying the process. (DOK 2)</b>			
Nov. 26-30	<b>M. 5.2.b</b>	<b>M</b>	<b>Devise a rule for an input/output function table, describing it in words and symbols. (DOK 2)</b>			
Dec. 3-7	<b>M. 5.2.d</b>	<b>M</b>	<b>Apply inverse operations of addition/subtraction and multiplication/division to problem-solving situations. (DOK 2)</b>			

Dec. 10-14			<b>Review Week</b>			
Dec. 17-20			<b>Nine Weeks' Tests</b>			

# CARROLL COUNTY SCHOOL DISTRICT CURRICULUM WEEKLY PACING GUIDE 2007 REVISED MS MATHEMATICS FRAMEWORK

**Grade Level:** 5<sup>TH</sup>      **Subject:** Mathematics      **Term:** Jan. 7 – Mar. 14, 2008

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The teacher will model the objective, work through a guided practice, and assign independent practice for each of the following objectives:

	<u><i>M. 5.4</i></u>		<u><i>Develop concepts and apply appropriate tools and techniques to determine units of measure.</i></u>			
Jan. 7-11	M.5.4.a	M	<b>Estimate and measure length to nearest millimeter in the metric system and one-sixteenth inch in the English system. (DOK 2)</b>			
Jan. 14-18 Jan. 22-25	M. 5.4.b*	O	<b>Convert units within a given measurement system to include length, weight/mass, and volume. (DOK 1)</b>			
	M. 5.4.c	M	<b>Develop, compare, and use formulas to estimate and calculate the perimeter and area of rectangles, triangles, and parallelograms. (DOK 2)</b>			

Jan. 28-Feb. 1						
Feb.4-8	<b>M.5.4.d</b>	M	<b>Select and apply appropriate units for measuring length, mass, volume, and temperature in the standard (English and metric) systems. (DOK 1)</b>			
	<b><u>M. 5.3</u></b>		<b><u>Develop mathematical arguments about geometric relationships and describe spatial relationships using coordinate geometry.</u></b>			
Feb. 11-15	<b>M. 5.3.a</b>	M	<b>Analyze and describe the characteristics of symmetry relative to classes of polygons (parallelograms, triangles, etc.). (DOK 2)</b>			
Feb. 19-22	<b>M. 5.3.e</b>	M	<b>Label ordered pairs in the coordinate plane. (DOK 1)</b>			
Feb. 19-22	<b>M. 5.3.b</b>	M	<b>Explain the relationships between coordinates in each quadrant of the coordinate plane. (DOK 2)</b>			
Feb. 25-29	<b>M. 5.3.c</b>	M	<b>Describe the characteristics, including the relationship of the pre-image and the image, of each type of transformation (rotations [turns], reflections [flips], and translations [slides]) of two-dimensional figures. (DOK 2)</b>			
Mar. 3-7	<b>M. 5.3.d</b>	M	<b>Construct and analyze two-and three-dimensional shapes to solve problems involving congruence and symmetry. (DOK 3)</b>			

Mar. 10-14			<b>Review and administer Nine Weeks' Tests</b>			
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**Grade Level:** 5<sup>TH</sup>      **Subject:** Mathematics      **Term:** Mar. 25 – May 21, 2008

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**The teacher will model the objective, work through a guided practice, and assign independent practice for each of the following objectives:**

	<u><b>M. 5.5</b></u>		<u><b><i>Interpret and analyze data and make predictions</i></b></u>			
Mar. 25-28	<b>M. 5.5.a</b>	M	<b>Use the mean, median, mode, and range to analyze a data set. (DOK 2)</b>			
Mar. 31- Apr. 4 Apr. 7-11	<b>M. 5.5.b*</b>	M	<b>Compare data and interpret quantities represented on tables and graphs, including line graphs, stem-and-leaf plots, histograms, and box-and-whisker plots to make predictions, and solve problems based on the information. (DOK 2)</b>			
April 14-18	<b>M 5.4.b</b>	M	<b>Develop concepts and apply appropriate tools and techniques to determine units of measure.</b>			
April 21-25	<b>M 5.4.b</b>		<b>Develop concepts and apply appropriate tools and techniques to determine units of measure.</b>			

April 28- May 2	<b>M 5.3.c</b>		<b>Develop mathematical arguments about geometric relationships and describe spatial relationship using coordinate geometry.</b>			
May 5-9	<b><u>M.5.1</u></b>		<b><u>Analyze relationships among numbers and the four basic operations, compute fluently, and make reasonable estimates.</u></b>			
May 12-16	<b><u>M.5.2</u></b>		<b>Explain and analyze number relationships and functions using algebraic symbols, and demonstrate an understanding of the properties of the basic operations. (DOK 2)</b>			
May 19-21			<b>Nine Weeks' Tests</b>			