

**CARROLL COUNTY SCHOOL DISTRICT
CURRICULUM WEEKLY PACING GUIDE
MS MATHEMATICS FRAMEWORK**

Grade 3 Mathematics	August 8 – October 12, 2007
First Nine Weeks	
8/8-10	<u>RITUALS AND ROUTINES</u>
8/13-24	Compose and decompose four-digit whole numbers with representations in words, physical models, and expanded and standard forms. (DOK 1)
8/27-31	Compare and order four-digit numbers using $<$, $>$, and $=$, and justify reasoning. (DOK 2)
9/4-14	Add (up to three addends) and subtract four-digit whole numbers with and without regrouping. (DOK 1)
9/17-21	Model and identify the inverse relationships of addition/subtraction. (DOK 2)
9/24-28	Estimate sums and differences of whole numbers to include strategies such as rounding. (DOK 2)
10/1-5	Estimate sums and differences of whole numbers to include strategies such as rounding. (DOK 2)
10/8-12	REVIEW AND ADMINISTER NINE WEEK'S EXAM

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Grade 3 Mathematics	Oct. 16 – Dec. 20, 2007
Second Nine Weeks	
10/16-26	Model multiplication using arrays, equal-sized groups, area models, and equal-sized moves on the number line. (DOK 2)
10/29-11-9	Model division with successive or repeated subtraction, partitioning, and sharing. (DOK 2)
11/12-16	Determine the value of missing quantities or variables within equations or number sentences, and justify the process used. (DOK 2)
11/26-30	Create, describe, and extend growing and repeating patterns with physical materials and symbols including numbers. (DOK 2)
12/3-7	Use real number properties to develop multiple algorithms and to solve problems. (DOK 2)
12/3-7	• Commutative property of addition
12/3-7	• Identity property of addition
12/3-7	• Associative property of addition
	Create models for the concept of equality, recognizing that the equal sign (=) denotes equivalent terms such that $4 + 3 = 7$, $4 + 3 = 6 + 1$ or $7 = 5 + 2$. (DOK 1)
12/10-14	Use real number properties to develop multiple algorithms and to solve problems.
12/17-20	REVIEW AND ADMINISTER NINE WEEK'S EXAM

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Grade 3 Mathematics	Jan. 7 – Mar. 14, 2008
Third Nine Weeks	
1/7-11	Identify and model representations of fractions (halves, thirds, fourths, fifths, sixths, and eighths). (DOK 1)
1/14-18	Identify and model representations of fractions (halves, thirds, fourths, fifths, sixths, and eighths). (DOK 1)
1/14-18	Estimate and measure length using fractional parts to the nearest $\frac{1}{2}$ inch in the English system. (DOK 2)
1/22-2/8	Measure capacity, weight/mass, and length in both English and metric systems of measurement. (DOK 1)
2/11-15	Develop and use methods to find perimeter of polygons and to solve problems involving perimeter. (DOK 2)
2/19-22	Describe, compare, analyze, and classify two-dimensional shapes by sides and angles. (DOK 1)
2/25-29	Explain and describe the process of decomposing, composing, and transforming polygons. (DOK 2)
3/3-7	Create three-dimensional shapes (prisms and pyramids) from two-dimensional nets, and create two-dimensional nets from prisms and pyramids. (DOK 2)
3/10-14	REVIEW AND ADMINISTER NINE WEEK'S EXAM

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Grade 3 Mathematics	Mar. 24 – May 21, 2008
Fourth Nine Weeks	
3/25-4/2	Compare data and interpret quantities represented on tables and different types of graphs (line plots, pictographs, and bar graphs), make predictions, and solve problems based on the information. (DOK 3)
4/3-11	Analyze, predict, and model the number of different combinations of two or more objects and relate to multiplication. (DOK 2)
4/14-18	<u>Understand and represent number relationships among numbers and the four basic operation.</u> <u>Compute fluently and make reasonable estimate.</u>
4/21-25	<u>Explain, analyze, and generate patterns. Relationships, functions using algebraic symbols.</u>
4/28-5/2	<u>Describe, compare, and contrast two-and three-dimensional shapes and relationships</u>
5/5-5/9	<u>Measure and explain the measurable attributes of objects, units, systems, and processes.</u>
5/12-5/16	<u>Interpret and analyze data. Explore basic concepts of probability.</u>
5/19-21	REVIEW AND ADMINISTER NINE WEEK'S EXAM