

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

Grade 4 Mathematics	August 8 – October 12, 2007
First Nine Weeks	
8/8-10	TTW review the handbook, explain and model classroom rules, rituals, and routines
8/13-17	Compose and decompose five-digit numbers and decimal numbers through hundredths, with representations in words, physical models, and expanded and standard forms. (DOK 1) *4.1.j.1 Compose and decompose five digit whole numbers.
8/20-8/31	Add and subtract up to five-digit whole numbers with and without regrouping. (DOK 1)
8/20-31	Demonstrate and explain the inverse operations of addition/subtraction and multiplication/division. (DOK 2) *4.2.e.1 demonstrate and explain the inverse operations of addition/subtraction.
8/20-31	Explain two or more methods of multiplying whole numbers (one-and two – digits) with justification. (DOK2)
9/4-7	Determine and use benchmark numbers such as 0, 0.5 ($\frac{1}{2}$), and 1 to judge the magnitude of whole numbers, decimals, and fractions. (DOK 1) *4.1.k.1 determine and use benchmark numbers to judge the magnitude of whole numbers
09/10-14	Recall multiplication and division facts. (DOK 1)
9/10-14	Demonstrate and explain the inverse operations of addition/subtraction and multiplication/division. (DOK 2)

	*4.2.e.2 demonstrate and explain the inverse operations of multiplication and division.
9/10-14	• Zero property of multiplication
9/10-14	• Associative properties of addition and multiplication
9/10-14	• Commutative properties of addition and multiplication
9/10-14	• Identity properties of addition and multiplication
9/17-21	Model factors and multiples of whole numbers. (DOK 1)
9/24 – 10/5	Estimate products and quotients of whole numbers to include strategies such as rounding. (DOK 2) *4.1.h1 estimate products of whole numbers to include strategies such as rounding
10/8-12	Review for 1st Nine Weeks Exams Administer 1st Nine Weeks Exams

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Grade 4	Mathematics	October 16 – Dec. 20, 2007
Second Nine Weeks		
10/16-26		Explain two or more methods of dividing four-digit dividends by one-and two-digit divisors, with and without remainders, and justify the processes. (DOK 2)
10/29-11-2		Estimate products and quotients of whole numbers to include strategies such as rounding. (DOK 2) *4.1.h2 estimate quotients of whole numbers to include strategies such as rounding.
11/5-9		Compose and decompose five-digit numbers and decimal numbers through hundredths, with representations in words, physical models, and expanded and standard forms. (DOK 1) *4.1.j.2 Compose and decompose decimals numbers through hundredths.
11/5-9		Add and subtract decimals through hundredths. (DOK 1)
11/12-16		Represent equivalence relationships between fractions and decimals using concrete materials, diagrams, or other models. (DOK 1)
11/26-30		Model and identify equivalent fractions. (DOK 2)
12/3-7		Determine and use benchmark numbers such as 0, 0.5 ($\frac{1}{2}$), and 1 to judge the magnitude of whole numbers, decimals, and fractions. (DOK 1) *4.1.k2 determine and use benchmark numbers such as 0, 0.5($\frac{1}{2}$), and 1 to judge the magnitude of decimals and fractions
12/3-7		Add and subtract fractions with like denominators. (DOK 1)
12/10-14		Review for 2nd Nine Weeks Exams
12/17-20		Administer 2nd Nine Weeks Exams

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Grade 4 Mathematics	Jan. 7 – Mar. 14, 2008
Third Nine Weeks	
1/8-11	Analyze a given numeric pattern and generate a similar pattern. (DOK 2)
1/8-11	Determine the value of variables in equations; justify the process used to make the determination. (DOK 2)
1/8-11	Construct input/output function tables and generalize the rule using words, models, and symbols. (DOK 3)
1/22-25	Estimate and measure a given object to the nearest eighth of an inch. (DOK 2)
1/22-25	Describe relationships of rectangular area to numerical multiplication (DOK 2)
1/28-2/1	Convert capacity, weight/mass, and length within the English and metric systems of measurement. (DOK 1)
2/19-22	Locate ordered pairs in the first quadrant of the coordinate plane. (DOK 1)
2/19-22	Identify transformations (rotations [turns], reflections [flips], and translations [slides]) of two-dimensional figures. (DOK 2)
2/25-29	Draw, label, and interpret bar graphs, line graphs, and stem-and-leaf plots. (DOK 2)
3/3-7	Review for 3rd Nine Weeks Exams
3/10-14	Administer 3rd Nine Weeks Exams

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Grade 4 Mathematics	Mar. 25 – May 21, 2008
Fourth Nine Weeks	
3/25-28	Find and interpret the mean, mode, median, and range of a set of data. (DOK 1)
3/31-4/4	Compare data and interpret quantities represented on tables and graphs including line graphs, bar graphs, frequency tables, and stem-and-leaf plots to make predictions and solve problems based on the information. (DOK 3)
4/7-11	<u>Understand relationships among numbers, use the four basic operations, compute fluently, and make reasonable estimates.</u>
4/14-18	<u>Analyze and represent patterns, number relationships, and functions using algebraic symbols. Demonstrate an understanding of the properties of the basic operations</u>
4/21-25	<u>Evaluate and justify measurable attributes of objects, units, systems, and processes.</u>
4/28-5/2	<u>Analyze characteristics, properties, and relationships of two-and three-dimensional geometric shapes</u>
5/5-9	<u>Formulate and analyze data. Evaluate inferences and predictions</u>
5/12-16	Review Week
5/19-21	Nine Weeks' Tests