Instructional Guide

Grade Level <u>Sixth Grade</u>   **Subject** ____<u>Math</u>_____   **School System**_____<u>Pickens County</u>_____

School Year _____<u>2011-2012</u>_____

Time Period (Pacing - when)	State Assessment Correlations	Standards/ Components (Pacing – what)	Resources/ Activities (Pacing – how) Curricular Alignment	Date of Common Formative Assessment (Pacing – how well)	Mapping Comments (What works what needs adjustment)
1st 6 weeks	ARMT 1-2	6.1.a. Demonstrate computational fluency with addition of decimals. 6.1.b. Demonstrate computational fluency with subtraction of decimals. 6.1.c. Demonstrate computational fluency with multiplication of decimals. 6.1.d.Demonstrate computational fluency with division of decimals. 6.1.B.3.b Formulating algorithms using basic operations on decimals. 6.1.B.4.b Applying the distributive property to compute with decimals. 6.2.a. Solve problems involving decimals. 6.2.B.1.b Estimating solutions of problems involving decimals.	V Math G Module 1 www.vmathlive.com McMillian McGraw Hill Mathematics Textbook pages 8-10, 58-60, 71, 78-80, 88-91 6.1.B.4.b McMillian McGraw Hill Mathematics Textbook pages 62-5, 376-9, 415 www.myskillstutor.com www.edhelper.com www.gamequarium.com www.studyisland.com www.mcmillianmcgrawhill.com www.glencoe.com		

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School Year _____**2009-2010**_____

Time Period (Pacing - when)	State Assessment Correlations	Standards/ Components (Pacing – what)	Resources/ Activities (Pacing – how) Curricular Alignment	Date of Common Formative Assessment (Pacing – how well)	Mapping Comments (What works what needs adjustment)
2nd – 3rd 6 Weeks	ARMT 1-2	6.1.B.2.a Using prime factorizations to identify GCF 6.1.B.2.b Using prime factorizations to identify LCM.	V Math G Module 2 www.vmathlive.com McMillian McGraw Hill Mathematics Textbook pages 164-5, 166-8, 256-8, 158 www.myskillstutor.com www.edhelper.com www.gamequarium.com www.studyisland.com www.mcmillianmcgrawhill.com www.glencoe.com Orchard Math Program		

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2nd – 3rd 6 Weeks	ARMT 1-2	6.1.e Demonstrate computational fluency with addition fractions. 6.1.f Demonstrate computational fluency with subtraction of fractions. 6.1.g Demonstrate computational fluency with multiplication of fractions. 6.1.h Demonstrate computational fluency with division of fractions. 6.1.B.3.a Formulating algorithms using basic operations on fractions. 6.1.B.4.a Applying the distributive property to compute with fractions. 6.2.c. Solve problems involving fractions. 6.2.B.1.a. Estimating solutions of problems involving fractions.	V Math G Module 3 and 4 www.vmathlive.com McMillian McGraw Hill Mathematics Textbook pages 245, 212-3, 214-6, 254-5, 256-8, 286 6.1.B.4.a McMillian McGraw Hill Mathematics Textbook Pages 62-5, 376-9, 415 www.myskillstutor.com www.edhelper.com www.gamequarium.com www.studyisland.com www.mcmillianmcgrawhill.com www.glencoe.com		

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3rd 6 Weeks	ARMT 1-2	6.1.B.1.a.Comparing rational numbers written as fractions 6.1.B.1.b.Comparing rational numbers written as decimals 6.1.B.1.c.Comparing rational numbers written as mixed numbers 6.1.B.1.d.Comparing rational numbers written as percents	V Math G Module 1 Orchard Math Program www.vmathlive.com McMillian McGraw Hill Mathematics Textbook pages 245, 212-3, 214-6, 254-5, 256-8, 286 www.myskillstutor.com www.edhelper.com www.gamequarium.com www.studyisland.com www.mcmillianmcgrawhill.com www.glencoe.com		

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3rd 6 Weeks	ARMT 1-2	6.2.b. Solve problems involving percents. 6.2.d. Solve problems involving proportions. 6.2.B.3.a. Converting terminating decimals to fractions. 6.2.B.3.b. Converting repeating decimals fractions. 6.2.B.3.c. Converting percents to fractions. 6.2.B.3.d. Converting terminating decimals mixed numbers. 6.2.B.3.e. Converting repeating decimals mixed numbers. 6.2.B.3.f. Converting percents mixed numbers. 6.1.B.2. Computing simple interest	V Math G Module 5 www.vmathlive.com McMillian McGraw Hill Mathematics Textbook pages 200, 612, 621, 626-9, 638-9 www.myskillstutor.com www.edhelper.com www.gamequarium.com www.studyisland.com www.mcmillianmcgrawhill.com www.glencoe.com Orchard Math Program		

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3rd 6 Weeks	ARMT 3	6.3.a Solve problems using numeric patterns. 6.3.B.1. Determining a verbal rule for a function given the input and output 6.3.b. Solve problems using geometric patterns.	V Math G Module www.vmathlive.com McMillian McGraw Hill Mathematics Textbook pages 338, 342-3, 340-1 www.myskillstutor.com www.edhelper.com www.gamequarium.com www.studyisland.com www.mcmillianmcgrawhill.com www.glencoe.com Orchard Math Program		

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4th 6 Weeks	ARMT 7 and AHSGE 4 obj. 1 Find perimeter, circumference, area, and volume	6.7.a. Solve problems involving perimeter of parallelograms. 6.7.b. Solve problems involving perimeter of rectangles 6.7.B.1.a Verifying formulas for determining perimeter of rectangles 6.7.B.1.b. Verifying formulas for determining perimeter of parallelograms 6.7.B.2.a. Estimating perimeter of rectangles. 6.7.B.2.b. Estimating perimeter of parallelograms .7.c. Solve problems involving area of parallelograms 6.7.d. Solve problems involving area of rectangles. 6.7.B.1.c. Verifying formulas for determining area of rectangles 6.7.B.1.d Verifying formulas for determining area of parallelograms 6.7.B.2.c. Estimating area of rectangles. 6.7.B.2.d. Estimating area of parallelograms	V Math G Module 6 www.vmathlive.com McMillian McGraw Hill Mathematics Textbook pages 520-526 www.myskillstutor.com www.edhelper.com www.gamequarium.com www.studyisland.com www.mcmillianmcgrawhill.com www.glencoe.com Orchard Math Program		

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4th 6 weeks	AHSGE 4 obj. 1 Find volume or surface area of a rectangular prism may be required	6.7.B.3. Determining the volume of a rectangular prism.	V Math G Module 6 and 7 www.vmathlive.com McMillian McGraw Hill Mathematics Textbook pages 550-553 www.myskillstutor.com www.edhelper.com www.gamequarium.com www.studyisland.com www.mcmillianmcgrawhill.com www.glencoe.com Orchard Math Program		

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4th 6 weeks	ARMT 9	6.9.a. Convert units of length within the same customary system. 6.9.b. Convert units of length within the metric system. 6.9.c. Convert units of weight within the same customary system. 6.9.d. Convert units of weight within the metric system. 6.9.e. Convert units of capacity within the same customary system. 6.9.f. Convert units of capacity within the metric system	V Math G Module 7 www.vmathlive.com McMillian McGraw Hill Mathematics Textbook pages 298-304, 312-8 www.myskillstutor.com www.edhelper.com www.gamequarium.com www.studyisland.com www.mcmillianmcgrawhill.com www.glencoe.com Orchard Math Program		

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4th 6 weeks	ARMT 9	6.9.a. Convert units of length within the same customary system. 6.9.b. Convert units of length within the metric system. 6.9.c. Convert units of weight within the same customary system. 6.9.d. Convert units of weight within the metric system. 6.9.e. Convert units of capacity within the same customary system. 6.9.f. Convert units of capacity within the metric system	V Math G Module 7 www.vmathlive.com McMillian McGraw Hill Mathematics Textbook pages 298-304, 312-8 www.myskillstutor.com www.edhelper.com www.gamequarium.com www.studyisland.com www.mcmillianmcgrawhill.com www.glencoe.com Orchard Math Program		

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5th 6 Weeks	ARMT 11 AHSGE 7 Objective 6 Both AND and OR situations may be included	6.11.a. Determine the probability of a simple event by expressing the probability as a ratio. 6.11.b. Determine the probability of a simple event by expressing the probability as a percent. 6.11.c. Determine the probability of a simple event by expressing the probability as a decimal.	V Math G Module 8 www.vmathlive.com McMillian McGraw Hill Mathematics Textbook pages 660-675 www.myskillstutor.com www.edhelper.com www.gamequarium.com www.studyisland.com www.mcmillianmcgrawhill.com www.glencoe.com Orchard Math Program		

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5th 6 Weeks	ARMT 4	6.4.a. Identify two-dimensional shapes based on their attributes. 6.4.B.1. Classifying quadrilaterals, including trapezoids and parallelograms, based on their attributes 6.4.b. Identify two-dimensional shapes based on their properties. 6.4.B.3 Recognizing similar shapes and figures based on their attributes 6.4.c. Identify two-dimensional shapes based on their component parts. 6.4.d. Identify three-dimensional figures based on their attributes. 6.4.e. Identify three-dimensional figures based on their properties. 6.4.f. Identify three-dimensional figures based on their component parts.	V Math G Module 6 www.vmathlive.com McMillian McGraw Hill Mathematics Textbook pages 542-5, 550-3, 484, 486-7, 586, 594-5, 457, 472 www.myskillstutor.com www.edhelper.com www.gamequarium.com www.studyisland.com www.mcmillianmcgrawhill.com www.glencoe.com Orchard Math Program		

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5th 6 Weeks	ARMT 5	6.5.a. Plot points on grids using coordinates. 6.5.b. Plot points on graphs using coordinates. 6.5.c. Plot points on maps using coordinates.	www.vmathlive.com McMillian McGraw Hill Mathematics Textbook pages 348-0, 420, 436-8, 91, 614, 456-8 www.myskillstutor.com www.edhelper.com www.gamequarium.com www.studyisland.com www.mcmillianmcgrawhill.com www.glencoe.com Orchard Math Program		

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5th 6 Weeks	ARMT 6	6.6. Classify angles as acute, obtuse, right, or straight. 6.6.B.1. Measuring angles to the nearest degree using a protractor 6.4.B.2. Classifying triangles as right, obtuse, or acute	V Math G Module 6 www.vmathlive.com McMillian McGraw Hill Mathematics Textbook pages 348-0, 420, 436-8, 91, 614, 456-8 www.myskillstutor.com www.edhelper.com www.gamequarium.com www.studyisland.com www.mcmillianmcgrawhill.com www.glencoe.com Orchard Math Program		

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6th 6 Weeks		6.1.B.5.a Solving one-step equations involving addition of integers. 6.1.B.5.b Solving one-step equations involving subtraction of integers. 6.1.B.5.c Solving one-step equations involving multiplication of integers. 6.1.B.5.d Solving one-step equations involving division of integers	V Math G Module 9 and 10 www.vmathlive.com McMillian McGraw Hill Mathematics Textbook pages 400-1, 402-5, 406-7, 408-10, 414-6 www.myskillstutor.com www.edhelper.com www.gamequarium.com www.studyisland.com www.mcmillianmcgrawhill.com www.glencoe.com Orchard Math Program		

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6th 6 Weeks	AHSGE 1 objective 1 One set of parentheses may be used, decimals to the tenth place may be used	6.1.B .6. Using order of operations to simplify whole number expressions	V Math G Module 9 and 10 www.vmathlive.com McMillian McGraw Hill Mathematics Textbook pages 338, 340-1 www.myskillstutor.com www.edhelper.com www.gamequarium.com www.studyisland.com www.mcmillianmcgrawhill.com www.glencoe.com Orchard Math Program		