Math 5

Text:	Georgia Mathematics 5 by Scott Foresman/Addison Wesley (2008)

Supplement	Reteaching and Enrichment Workbooks
al Materials:	

Course	Fifth grade math correlates to the Georgia Performance Standards.				
Description:	Students will further develop their understanding of the concept of whole				
	numbers. They will also understand the meanings of multiplication and				
	division of decimals and use decimals and common fractions in				
	computation as well as in problem-solving situations. Students will				
compute the area of geometric plan figures. They will also underst					
concept of volume and compute the volume of simple geometric so					
and measure capacity. Students will convert from one unit to and					
	within one system of measurement. Students will represent and				
investigate mathematical expressions algebraically by using variab					
	They will gather, organize, and display data and will interpret graphs.				
	Students will apply mathematical concepts and skills in the context of				
authentic problems and will understand concepts rather than n					
	following a sequence of procedures. Students will use the process				
	standards as a way of acquiring and using content knowledge.				

Methods of	Students will be evaluated through tests, quizzes, daily practice sets,		
Evaluation:	homework problem sets, and/or any other form of evaluation instrument		
	the instructor finds applicable to the course.		

Pace of	First Semester:					
Instruction:	Place Value, Adding, and Subtracting					
	Multiplying Whole Numbers and Decimals					
	Two-Digit Division					
Dividing with two-digit divisor						
Data, Graphs, and Probability						
Second Semester:						
Fractions						
Fraction/Decimal Relationship						
Fraction Operations						
Measurement						
Geometry						
Algebra						

Course	Place Value Adding and Subtracting				
Objectives:	i lace value, Auulity, allu Subti acully				
Objectives.	1 Identify and available place value				
	1. Identify and explain place value				
	2. Compare and order decimals				
	3. Understand place value patterns				
	4. Add and subtract whole numbers				
	5. Add and subtract decimals				
	Multiplying Whole Numbers and Decimals				
	1. Compute numbers using multiplication patterns				
	2 Multiply numbers (up to three numbers) using the distributive				
	nronerty				
	3 Multiply whole numbers				
	 Multiply whole numbers Make an argonized list 				
	4. Make an organized list				
	5. Recognize decimal patterns				
	6. Multiply decimals and whole numbers				
	7. Multiply decimals				
	8. Use variables to make algebraic expressions				
	Two-Digit Division				
	1 Pagagniza division nottorna				
	1. Recognize division patients				
	2. Estimate quotients using rounding				
	3. Identify patterns and fills in missing numbers				
	4. Divide three digit whole numbers by one-digit divisors.				
	5. Divide with zeroes in the quotients.				
	6. Divide four digit whole numbers by one-digit divisors.				
	7. Divide money amounts by one-digit divisors.				
	8. Use divisibility rules.				
	9. Identify prime or composite numbers.				
	10. Determine the impact of remainders in word problems.				
	11. Evaluate three or more numbers and two or more operations.				
	12. Identify ordered pairs for plotted points.				
	13. Create a table of values.				
	Dividing with two digit divisor				
	1. Divide using dividend and divisors of a multiple of 10				
	2 Estimate quotients with whole numbers decimals and money				
	2. Divide three digit whole numbers by two digit divisors				
	5. Divide four digit whole numbers by two-digit divisors.				
	4. Divide four-digit whole numbers by two-digit divisors.				
	5. Choose appropriate computation method (pen and paper, mental math, calculator)				
	6. Solve multi-step word problems.				
	7. Divide decimal numbers by 10, 100, and 1,000.				

- 8. Divide money by two-digit divisors.
- 9. Divide two and three digit numbers by two and three digit decimals.

Data, Graphs and Probability

- 1. Make double bar graphs from data.
- 2. Collect data from a survey.
- 3. Create line graphs from data; read and interpret line graphs.
- 4. Create and interpret stem and leaf plots.
- 5. Find mean, median, and mode of a set of data.
- 6. Create circle graphs from data and interpret circle graphs.
- 7. Predict outcomes based on probability.
- 8. Creates a tree diagram and identify all possible outcomes.
- 9. Use fractions to represent probability of events.

Fractions

- 1. Identify the meaning of fractions
- 2. Understand the relationship between fractions and division
- 3. Apply the relationship between fractions and decimals
- 4. Express fractions greater than one as mixed numbers or improper fractions.
- 5. Identify fractions and mixed numbers on a number line.
- 6. Decide whether there is too much or not enough information to solve a problem.
- 7. Write equivalent fractions.
- 8. Identify common factors.
- 9. Identify fractions in simplest form and puts fractions in simplest form.
- 10. Compare two fractions to determine which is greater or less.
- 11. Compare and orders fractions and mixed numbers.
- 12. Convert decimals to fractions and fractions to decimals.
- 13. Use logically reasoning to make conclusions in word problems.
- 14. Add and subtract fractions with like dominators.
- 15. Find the least common denominator for fractions.
- 16. Add and subtracts fractions with unlike dominators.
- 17. Add and subtracts mixed numbers with and without renaming.
- 18. Estimate sum and differences of mixed numbers.
- 19. Use compatible numbers.
- 20. Multiplies mixed numbers.
- 21. Divides fractions.

Measurement

1. Change one customary measurement of length to another.

2.	Measure to the nearest inch, quarter-inch and eighth-inch.
3.	Choose appropriate metric unit of length.
4.	Measure lengths to the nearest centimeter and meter.
5.	Convert metric units using decimals.
6.	Find the perimeter of a polygon.
7.	Find the circumference of a circle.
8.	Find the area of a rectangular or square, parallelogram, and
	triangle.
9.	Draw pictures to represent information from word problems.
10	. Change from one unit of time to another.
11	. Can find elapsed time, starting time, or ending time.
12	. Read temperatures in Celsius and Fahrenheit.
13	. Identify the number of faces, vertices and edges of a polyhedron.
14	. Find the volume of rectangular prisms.
15	. Change/convert customary units of capacity.
16	. Convert metric units of capacity.
Geom	letry
1.	Define important geometric terms.
2.	Draw and classify angles.
3.	Identify relationships between the parts of a circle such as
	diameter, radius, etc.
4.	Identify and classify polygons, triangles, and quadrilaterals.
5.	Identify congruent and symmetrical figures.
6.	Determine whether a pair of angles is related (pair, slide, or flip).
Algeb	ra
1.	Identify and solve equations; identify variables and the role of
	variables in equations.
2.	Solve equations using addition and subtraction.
3.	Solve equations using multiplication and division.
4.	Write equations for word problems.
5.	Understand integers.
6.	Add and subtract integers.
7.	Identify and graph coordinates on a plane.
8.	Create an x and y chart for equations.
9.	Graph x and y coordinates.