Grade 7	VAN BUREN SCHOOL DISTRICT	
Module 1	Start: 8/20/2007 Teaching Days: 31 Test: 9/21/2007 Remediation Days: 0	
NO.1.7.4a	Find decimals for mixed numbers and explain why they represent the same value	TM/Review
NO.2.7.2a	Apply the addition, subtraction, multiplication and division properties of equality to one-step equations with integers	Var & Patterns 3.1
NO.2.7.2b	Apply the addition, subtraction, multiplication and division properties of equality to one-step equations with fractions	Var & Patterns 3.1
NO.2.7.2c	Apply the addition, subtraction, multiplication and division properties of equality to one-step equations with decimals	Var & Patterns 3.1
A.4.7.1	Create and complete a function table (input/output) using a given rule with two operations	Var & Patterns 1.1
A.4.7.2	Identify and extend patterns in real world situations	Var & Patterns 1.1
A.4.7.3	Interpret and write a rule for a two-operation function table (Ex. multiply by 2, add 1)	Var & Patterns 2.2
A.5.7.1a	Solve and graph one-step linear equations using a variety of methods (i.e., hands-on, inverse operations, symbolic) with real world application with and without technology	Var & Patterns 1.2
A.5.7.1b	Solve and graph one-step inequalities using a variety of methods (i.e., hands-on, inverse operations, symbolic) with real world application with and without technology	Var & Patterns 1.2
A.5.7.2a	Solve simple linear equations using integers	Var & Patterns 1.1
A.5.7.2b	Graph simple linear equations using integers on a coordinate plane	Var & Patterns1.1
A.5.7.3a	Translate phrases into algebraic expressions including parentheses and positive and rational numbers	Var & Patterns 1.3
A.5.7.3b	Translate sentences into equations including parentheses and positive and rational numbers	Var & Patterns 2.3 - supplement as needed
A.5.7.3c	Simplify algebraic expressions by combining like terms	Var & Patterns 3.2/ supplement
A.5.7.4	Write and evaluate algebraic expressions using positive rational numbers	Var & Patterns 2.3
A.6.7.1	Use tables and graphs to represent linear equations by plotting, with and without appropriate technology, points in a coordinate plane	Var & Patterns 4.2, 4.3
A.6.7.3	Create and complete a function table (input/output) using a given rule with two operations in real world situations	Var & Patterns 3.2
		End of Module 1

Grade 7	VAN BUREN SCHOOL DISTRICT	
Module 2	Start: 9/24/2007 Teaching Days: 40 Test: 10/26/2007 Remediation Days: 0	
NO.1.7.1a	Relate, with and without models and pictures, concepts of ratio and proportion.	Stretching & Shrinking 4.1
G.8.7.3	Recognize the pairs of angles formed and the relationship between the angles including two intersecting lines and parallel lines cut by a transversal (Ex. vertical, supplementary, complementary, corresponding, alternate interior, alternate exterior angles and linear pair)	Stretching & Shrinking Inv. 3, ACE, 5 Inv. , ACE
G.8.7.4a	Use paper or physical models to determine the sum of the measures of interior angles of triangles	Stretching & Shrinking Inv. 4.2
G.8.7.4b	Use paper or physical models to determine the sum of the measures of interior angles of quadrilaterals	Stretching & Shrinking Inv 4.3
G.8.7.5	Model and develop the concept that pi is the ratio of the circumference to the diameter of any circle	Stretching & Shrinking Inv. 1
G.8.7.6	Develop the properties of similar figures (Ex. ratio of sides and congruent angles)	Stretching & Shrinking Inv. 2.1
G.9.7.1	Examine the congruence, similarity, and line or rotational symmetry of objects using transformations.	Stretching & Shrinking - Inv 2
G.9.7.2a	Perform translations of two-dimensional figures using a variety of methods (Ex. paper folding, tracing, graph paper)	Stretching & Shrinking Inv. 2.3
G.9.7.2b	Perform reflections of two-dimensional figures using a variety of methods (Ex. paper folding, tracing, graph paper)	Stretching & Shrinking Inv. 2
G.10.7.1	Plot points in the coordinate plane	Stretching & Shrinking Inv. 2.1
G.10.7.2	Plot points that form the vertices of a geometric figure and draw, identify and classify the figure	Stretching & Shrinking Inv. 2.2
M.13.7.3a	Develop and use strategies to solve problems involving area of a trapezoid	Stretching & Shrinking Inv. 1
M.13.7.3b	Develop and use strategies to solve problems involving circumference of a circle	Stretching & Shrinking Inv. 1
M.13.7.3c	Develop and use strategies to solve problems involving area of a circle	Stretching & Shrinking Inv. 1
M.13.7.5a	Apply scale factor properties of congruent or similar triangles to solve problems involving missing lengths and angle measures	Stretching & Shrinking Inv. 3.3
M.13.7.5b	Apply ratio and proportion properties of congruent or similar triangles to solve problems involving missing lengths and angle measures	Stretching & Shrinking Inv. 3.3
		End of Module 2

Grade 7	VAN BUREN SCHOOL DISTRICT	
Module 3	Start: 10/29/2007 Teaching Days: 32 Test: 11/16/2007 Remediation Days: 0	
NO.1.7.1a	Relate, with and without models and pictures, concepts of ratio and proportion.	Comparing & Scaling Inv. 1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 4.1, 4.2, 4.3
NO.1.7.1b	Relate, with and without models and pictures, concepts of percent, including percents less than 1 and greater than 100	Comparing & Scaling Inv. 1.1, 2.2
NO.1.7.5	Compare and represent integers, fractions, decimals and mixed numbers and find their approximate location on a number line	Comparing & Scaling Inv. 1.1, 1.3, 2.1, 2.2, 2.3
NO.3.7.6	Solve, with and without technology, real world percent problems (Ex. I=PRT)	Comparing & Scaling Inv. 1.1, 2.2
A.7.7.1	Use, with and without appropriate technology, tables and graphs to compare and identify situations with constant or varying rates of change	Comparing & Scaling Inv. 1.3
		End of Module 3

Grade 7	VAN BUREN SCHOOL DISTRICT	
Module 4	Start: 11/19/2007 Teaching Days: 50 Test: 1/18/2008 Remediation Days: 0	
NO.1.7.5	Compare and represent integers, fractions, decimals and mixed numbers and find their approximate location on a number line	Acc the Neg Inv. 1.2
NO.1.7.6	Recognize subsets of the real number system (natural, whole, integers, rational, and irrational numbers)	Acc the Neg Inv. 1.1
NO.2.7.1	Apply the distributive property of multiplication over addition or subtraction to simplify computations with integers, fractions, and decimals.	Acc the Neg Inv. 4.2, 4.3
NO.2.7.3	Apply rules (conventions) for order of operations to integers and positive rational numbers including parentheses, brackets or exponents	Acc the Neg Inv. 4.1
NO.2.7.4a	Model and develop addition and subtraction of integers	Acc the Neg Inv. 1.3, 1.4, 2.1, 2.2
NO.2.7.4b	Model and develop multiplication and division of integers	Acc the Neg Inv. 3.1, 3.4
NO.3.7.1	Compute, with and without appropriate technology, with integers and positive rational numbers using real-world situations to solve problems	Acc the Neg Inv. 2, 3, 4
A.5.7.4	Write and evaluate algebraic expressions using positive rational numbers	Acc the Neg Inv. 1.1
M.13.7.6a	Find the distance between two points on a number line	Acc the Neg Inv. 1.2, 1.3
		End of Module 4

Grade 7	VAN BUREN SCHOOL DISTRICT	
Module 5	Start: 1/21/2008 Teaching Days: 0 Test: 2/22/2008 Remediation Days: 0	
G.11.7.2	Construct a building out of cubes from a set of views (Ex. front, top, side)	Filling & Wrapping
G.8.7.1a	Identify, draw, classify and compare 2-D geometric figures using models and real world examples	Filling & Wrapping Inv. 1.1
G.8.7.1b	Identify, draw, classify and compare 3-D geometric figures using models and real world examples	Filling & Wrapping Inv. 1.1, 1.2
G.11.7.1	Build three-dimensional solids from two-dimensional patterns (Ex. nets)	Filling & Wrapping Inv. 1.1, 1.2, 1.3, 1.4
M.12.7.1	Understand, select and use the appropriate units and tools (metric and customary) to measure length, weight, mass and volume to the required degree of accuracy for real world problems	Filling & Wrapping Inv. 2.1
M.13.7.4a	Derive and use formulas for surface area of prisms and justify them using geometric models and common materials	Filling & Wrapping Inv. 1.1, 1.2, 1.3, 1.4, 2.2, 5.2
M.13.7.4b	Derive and use formulas for surface area of cylinders and justify them using geometric models and common materials	Filling & Wrapping Inv. 3.3, 3.4
M.13.7.4c	Derive and use formulas for volume of prisms and justify them using geometric models and common materials	Filling & Wrapping Inv. 3.2, 3.5, 4.2, 4.3, 4.4
		End of Module 5

Grade 7	VAN BUREN SCHOOL DISTRICT	
Module 6	Start: 2/25/2008 Teaching Days: 0 Test: 5/16/2008 Remediation Days: 0	
A.6.7.2	Represent, with and without appropriate technology, linear equations by plotting and graphing points in the coordinate plane using all four quadrants given data in a table from a real world situation	Moving Straight Ahead Inv. 2.4, 1.4
A.7.7.1	Use, with and without appropriate technology, tables and graphs to compare and identify situations with constant or varying rates of change	Moving Straight Ahead Inv. 1.1, 1.2, 2.1
G.10.7.1	Plot points in the coordinate plane	Moving Straight Ahead
A.5.7.1a	Solve and graph one-step linear equations using a variety of methods (i.e., hands-on, inverse operations, symbolic) with real world application with and without technology	Moving Straight Ahead Inv. 1.2, 1.3
A.5.7.1b	Solve and graph one-step inequalities using a variety of methods (i.e., hands-on, inverse operations, symbolic) with real world application with and without technology	Moving Straight Ahead Inv. 1.1, 1.2, 1.3
A.5.7.2a	Solve simple linear equations using integers	Moving Straight Ahead Inv. 1.1, 1.2
A.5.7.2b	Graph simple linear equations using integers on a coordinate plane	Moving Straight Ahead Inv. 2.4
A.5.7.3a	Translate phrases into algebraic expressions including parentheses and positive and rational numbers	Moving Straight Ahead Inv. 1.1, 1.2, 1.3
A.5.7.3b	Translate sentences into equations including parentheses and positive and rational numbers	Moving Straight Ahead Inv. 2.4
A.5.7.3c	Simplify algebraic expressions by combining like terms	Moving Straight Ahead Inv. 1.1, 1.2, 1.3
A.6.7.1	Use tables and graphs to represent linear equations by plotting, with and without appropriate technology, points in a coordinate plane	Moving Straight Ahead Inv. 2.1, 2.2, 2.3, 3.1
A.6.7.3	Create and complete a function table (input/output) using a given rule with two operations in real world situations	Moving Straight Ahead Inv. 1.2
G.10.7.2	Plot points that form the vertices of a geometric figure and draw, identify and classify the figure	Moving Straigh Ahead Inv. 1, 2, 3, 4
		End of Module 6

Grade 7 Standards Not Yet Requested for Testing	VAN BUREN SCHOOL DISTRICT
Numbers and Operations(NO)	
NO.1.7.2a	Demonstrate, with and without appropriate technology, an understanding of place value using powers of 10.
NO.1.7.2b	Write numbers greater than one in scientific notation.
NO.1.7.3	Convert between scientific notation and standard notation using numbers greater than one
NO.1.7.4b	Find percent equivalents for mixed numbers and explain why they represent the same value
NO.3.7.2	Solve, with and without appropriate technology, multi-step problems using a variety of methods and tools (Ex. objects, mental computation, paper and pencil)
NO.3.7.3	Determine when an estimate is sufficient and use estimation to decide whether answers are reasonable in problems including fractions and decimals
NO.3.7.4a	Apply factorization to solve problems using more than two numbers and explain the solution
NO.3.7.4b	Apply LCM to solve problems using more than two numbers and explain the solution
NO.3.7.4c	Apply GCF to solve problems using more than two numbers and explain the solution
NO.3.7.5a	Represent and solve problem situations that can be modeled by and solved using concepts of absolute value with and without appropriate technology
NO.3.7.5b	Represent and solve problem situations that can be modeled by and solved using concepts of exponents with and without appropriate technology
NO.3.7.5c	Represent and solve problem situations that can be modeled by and solved using concepts of square roots (for perfect squares) with and without appropriate technology
Geometry(G)	
G.8.7.2	Investigate geometric properties and their relationships in one, two and three dimensions models, including convex and concave polygons
Measurement(M)	
M.12.7.2a	Understand relationships among units within the customary system
M.12.7.2b	Understand relationships among units within the metric system
M.12.7.3a	Find different areas for a given perimeter
M.12.7.3b	Find a different perimeter for a given area
M.13.7.1	Solve real world problems involving two or more elapsed times, counting forward and backward (Ex. calendar and clock)
M.13.7.2a	Draw and measure distance to the nearest 1/16 inch accurately
M.13.7.2b	Draw and measure distance to the nearest mm accurately
M.13.7.4d	Derive and use formulas for volume of cylinders and justify them using geometric models and common materials
M.13.7.6b	Locate the midpoint between two points on a number line
M.13.7.7	Estimate and compute the area of more complex or irregular two-dimensional shapes by dividing them into more basic shapes

Grade 7 Standards Not Yet Requested for Testing	VAN BUREN SCHOOL DISTRICT
Data Analysis and Probability(DAP)	
DAP.14.7.1	Identify different ways of selecting samples and compose appropriate questions (Ex. survey response, random sample, representative sample and convenience sample)
DAP.14.7.2	Explain which types of display are appropriate for various data sets (Ex. line graph for change over time, circle graph for part-to-whole comparison, scatter plot for trends)
DAP.14.7.3a	Construct and interpret circle graphs with and without appropriate technology
DAP.14.7.3b	Construct and interpret box-and-whisker plots with and without appropriate technology
DAP.14.7.3c	Construct and interpret histograms with and without appropriate technology
DAP.14.7.3d	Construct and interpret scatter plots with and without appropriate technology
DAP.14.7.3e	Construct and interpret double line graphs with and without appropriate technology
DAP.15.7.1	Analyze data displays, including ways that they can be misleading
DAP.15.7.2a	Analyze, with and without appropriate technology, a set of data by using and comparing measures of central tendencies (mean, median, mode)
DAP.15.7.2b	Analyze, with and without appropriate technology, a set of data by using and comparing measures of spread (range, quartile, interquartile range)
DAP.16.7.1a	Make, with and without appropriate technology, conjectures of possible relationships in a scatter plot
DAP.16.7.1b	Approximate the line of best fit (trend line) for a scatter plot
DAP.17.7.1	Understand that probability can take any value between 0 and 1 (events that are not going to occur have probability 0, events certain to occur have probability 1)
DAP.17.7.2	Design, with and without appropriate technology, an experiment to test a theoretical probability and explain how the results may vary (Ex. suggested materials for simulations are: two-color counters, a number cube, and spinners)