Subject Area: Modified Math 1					
CCSS Conceptual Category: Number and Quantity					
CCSS Domain: The Real Number System (N-RN)					
Show-Me Standards					
CCSS Cluster	**Common Core Standard (D)=District Standard**	**Show Me Standards**	**DOK**	**Instructional Strategies Student Activities/Resources**	**Assessment**
	The students will:				
Extend the properties of exponents to rational exponents	1. apply the properties of exponents including order of operations to simplify expressions and solve equations.	MA 1 MA 5 1.10 2.1	Skill/Concept	1. Simplify an expression using the Power of a Power rule.	1. Simplify the expression $3x^6$ times $4x^5$. (SMP 1, 2)

Subject Area: Modified Math 1

CCSS Conceptual Category: Number and Quantity

CCSS Domain: Quantities (N-Q)

Show-Me Standards

CCSS Cluster	Common Core Standard (D)=District Standard	Show Me Standards	DOK	Instructional Strategies Student Activities/Resources	Assessment
	The students will:				
Reason quantitatively and use units to solve problems	3. choose a level of accuracy appropriate to limitations on measurement when reporting quantities.	MA 5 1.5	Skill/Concept	3. Decide whether a problem calls for a rough estimate, an approximation, or an exact answer.	3. The margin of error varies according to use and context. (SMP 1,2,4,5,6)

Subject Area: Modified Math 1					
CCSS Conceptual Category: Algebra					
CCSS Domain: Seeing Structure in Expressions (A-SSE)					
Show-Me Standards					
CCSS Cluster	**Common Core Standard (D)=District Standard**	**Show Me Standards**	**DOK**	**Instructional Strategies Student Activities/Resources**	**Assessment**
	The students will:				
Interpret the structure of expressions	1. interpret expressions that represent a quantity in terms of its context.★ a. interpret parts of an expression, such as terms, factors, and coefficients.	MA 1 3.1 MA 5 1.6	Strategic Thinking	1a. Identify and define terms, factors and coefficients in an algebraic expression.	1a. Students should be able to recognize and interpret the parts of an expression. (SMP 1,2,4,7)

Subject Area: Modified Math 1

CCSS Conceptual Category: Algebra

CCSS Domain: Creating Equations (A-CED)

Show-Me Standards

CCSS Cluster	Common Core Standard (D)=District Standard	Show Me Standards	DOK	Instructional Strategies Student Activities/Resources	Assessment
	The students will:				
Create equations that describe numbers of relationships	1. create equations and inequalities in one variable and use them to solve problems. Include equations arising from linear functions. 2. graph equations on coordinate axes with labels and scales. .	MA 1 1.6 MA 5 1.10	Skill/Concept	1. Create equations and inequalities representing real world scenarios. Compare linear equations. 2. Graph equations, using t-charts or by finding the intercept, involving two variables on a coordinate axes, labeling appropriately.	1. Create equations and inequalities that arise when comparing the values of two different linear functions. 2. Using at least 3 coordinate pairs, graph 2x-4y=8. (SMP 1,2,4)

Subject Area: Modified Math 1					
CCSS Conceptual Category: Algebra					
CCSS Domain: Reasoning with Equations and Inequalities (A-REI)					
Show-Me Standards					
CCSS Cluster	**Common Core Standard (D)=District Standard**	**Show Me Standards**	**DOK**	**Instructional Strategies Student Activities/Resources**	**Assessment**
	The students will:				
Understand solving equations as a process of reasoning and explain the reasoning	1. explain each step in solving a simple equation as following from the equality of numbers asserted at the previous step, starting from the assumption that the original equation has a solution. Construct a viable argument to justify a solution method.	MA 1 MA 5 3.4	Skill/Concept	1. Correctly apply the properties of equalities in a multi step problem.	1. Explain why the equation x/3 +7/2 =5 has the same solutions as 2x+21=30. (SMP 1,3,6)

Subject Area: Modified Math 1

CCSS Conceptual Category: Algebra

CCSS Domain: Reasoning with Equations and Inequalities (A-REI)

Show-Me Standards

CCSS Cluster	Common Core Standard (D)=District Standard	Show Me Standards	DOK	Instructional Strategies Student Activities/Resources	Assessment
	The students will:				
Solve equations and inequalities in one variable	3. solve linear equations and inequalities in one variable, including equations with coefficients represented by letters.	MA 1 MA 5 3.4	Skill//Concept	3. Apply properties of equality to equations and inequalities for the purpose of solving.	3. Given P=2L+2W and L=5, P=40, solve for W. (SMP 1,2,6,7)

Subject Area: Modified Math 1

CCSS Conceptual Category: Algebra

CCSS Domain: Reasoning with Equations and Inequalities (A-REI)

Show-Me Standards

CCSS Cluster	Common Core Standard (D)=District Standard	Show Me Standards	DOK	Instructional Strategies Student Activities/Resources	Assessment
	The students will:				
Represent and solve equations and inequalities graphically	10. understand that the graph of an equation in two variables is the set of all its solutions plotted in the coordinate plane, forming a line.	MA 3 1.5 1.8	Skill/Concept	10. Interpret a graph as a collection of infinite solutions (x, y).	10. Given 2x+3y=6 is the point (1,4) a solution? (SMP 4,5,6)

Subject Area: Modified Math 1					
CCSS Conceptual Category: Functions					
CCSS Domain: Interpreting Functions (F-IF)					
Show-Me Standards					
CCSS Cluster	**Common Core Standard (D)=District Standard**	**Show Me Standards**	**DOK**	**Instructional Strategies Student Activities/Resources**	**Assessment**
	The students will:				
Analyze functions using different representations	7. graph linear functions and show intercepts.	MA 1 MA 5 1.4 1.8	Skill/Concept	7. Graph linear functions finding x and y-intercepts.	7a. Given y=2x -1 find the x and y-intercepts and graph. (SMP 4,5,6,7)

Subject Area: Modified Math 1

CCSS Conceptual Category: Geometry

CCSS Domain: Geometric Measurement and Dimension (G-GMD)

Show-Me Standards

CCSS Cluster	Common Core Standard (D)=District Standard	Show Me Standards	DOK	Instructional Strategies Student Activities/Resources	Assessment
	The students will:				
Explain volume formulas and use them to solve problems	1. use appropriate formulas to find the perimeter of two-dimensional objects and circumference of circles. 2. use appropriate formulas to find the area of two-dimensional objects including circles.	MA 4 3.2	Skill/Concept	1. Solve real world problems involving perimeter and circumference. 2. Solve real world problems involving area of two-dimensional objects.	1. A farmer needs to enclose his garden of dimensions 20ftx30ft. How much fencing should he buy? 2. How much carpeting should be purchased for a room that is 15ftx18ft? (SMP 1,2,3,4,5)