

Curriculum Pacing Chart

2012-2013

Subject: Algebra I

Week of	Week	SOL #	Unit	Bloom's	Objective
<u>1st Nine Weeks</u>					
12-Aug	1		Review		Fraction equivalents. Add, subtract, multiply, divide.
19-Aug	2		Review		Order of operations. Perfect squares. Perfect cubes.
26-Aug	3	A.1, A.4d	Expressions & Operations, Equations & Inequalities		Represent and evaluate verbal quantitative situations algebraically. Solve one-step and two-step equations.
<i>1st Interim</i>					
2-Sep	4	A.4d	Equations & Inequalities		Solve multi-step equations
9-Sep	5	A.4b, A.4a	Equations & Inequalities		Justify steps in equations using properties. Solve literal equations.
16-Sep	6	A.5a, A.5b, A.5c	Equations & Inequalities		Solve multi-step inequalities algebraically and graphically (on a number line) including real world situations. Justify steps in inequalities using axioms and properties.
<i>2nd Interim</i>					
23-Sep	7	A.6	Equations & Inequalities		Determine slope. Writing equation of a line given the graph of the line, two points on the line, or the slope and a point on the line.
30-Sep	8	A.8, A.4e, A.4f	Functions, Equations & Inequalities		Analyze a relation to determine whether a direct or inverse variation exists. Represent direct variation algebraically and graphically and an inverse variation graphically. Solve systems of linear equations including real-world problems.
7-Oct	9	A.5d, A.11, A.2a	Equations & Inequalities, Statistics, Expressions & Operations		Solve systems of inequalities. Determine equation of the curve of best fit in order to make predictions. Apply laws of exponents.

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<u>2nd Nine Weeks</u>					
14-Oct	10	A.3, A.2b	Expressions & Operations		Express the square roots and cube roots of whole numbers and the square root of a monomial algebraic expression in simplest radical form. Adding and subtracting polynomials.
21-Oct	11	A.2b, A.2c	Expressions & Operations		Multiplying and dividing polynomials. Factor completely first- and second-degree binomials.
28-Oct	12	A.2c, A.4c	Expressions & Operations, Equations & Inequalities		Factor completely trinomials. Solve quadratic equations algebraically and graphically.
<i>1st Interim</i>					
4-Nov	13	A.7	Functions		Investigate and analyze functions (domain, range, zeros, intercepts)
11-Nov	14	A.9, A.10	Statistics		Interpret variation and calculate and interpret mean absolute deviation, standard deviation, and z-
18-Nov	15		Review		
<i>2nd Interim</i>					
25-Nov	16				SOLs
2-Dec	17		Prep for next class		Solve equations involving parallel lines and transversals. Solving equations involving triangle angle sum theorem and triangle exterior angle theorem.
9-Dec	18		Prep for next class		Solving equations using polygons.