
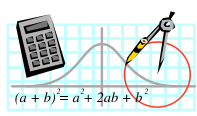




Essentials for Algebra Semester One Curriculum Map

Month	September	October	November	December	January
 Concepts Introduced	<ul style="list-style-type: none"> Integers Order of Operations Properties Rational Numbers 	<ul style="list-style-type: none"> Rational Numbers (continued) 	<ul style="list-style-type: none"> Simplifying Algebraic Expressions 	<ul style="list-style-type: none"> Solving Multi-Step Equations Solving Proportions 	<ul style="list-style-type: none"> Solving Inequalities
Glencoe	1 & 2	3, 4 & 6	1.2 & 1.8	2.7, 3.10, 4.6 & 6	NA
Holt	1	1	1.7	2	3
 Algebra Standards	2.0- Opposite & Reciprocals	2.0- Opposite & Reciprocals	4.0 – Combine like terms	3.0 Solving equations with absolute value. 5.0 – Solving multi-step problems, including word problems	5.0 Solving linear inequalities in one variable.
 General Math Standards (CAHSEE)	NS 1.2- Operations with rational numbers. NS 1.3-Fractions, Decimals & Percents NS 1.7 – Applying percents NS 2.2 – Fractions with Unlike Denominators AF 1.2 – Order of operations AF 1.3- Simplifying numerical expressions	NS 1.2- Operations with rational numbers. NS 1.3-Fractions, Decimals & Percents NS 1.7 – Applying percents NS 2.2 – Fractions with Unlike Denominators	NS 2.5-Understand absolute value AF 1.1 – Writing algebraic expressions AF 1.2 – Order of operations	AF 4.1 – Solve two-step equations. MG 2.1- Using formulas. (perimeter & area) AF 1.2 – Order of operations	AF 4.1 – Solve two-step inequalities. MG 2.1 – Using formulas (perimeter & area) AF 1.2 – Order of operations
 Lesson Notes Virtual Manipulatives available at http://www.nlvm.usu.edu	<ul style="list-style-type: none"> Venn Diagram Project Pictorial Math (pages 87-215) Integer Number Tile Menu Math 	This is very basic. Supplement for more practice and challenging problems. Good place to embed fractions & decimals. Example: $0.23x + -.5y - x + .2y$ <ul style="list-style-type: none"> Pictorial Math (pages 87-215) House Plan Project 	Supplement for more practice & challenging problems (embed FRIENDLY fractions & decimals). Example: $0.23x + -.5y - x + .2y$ <ul style="list-style-type: none"> BE SURE TO USE TO USE VARIOUS EXPONENTS FOR COLLECTING LIKE TERMS Pictorial Math (pages 243-252) 	Practice order of operations by checking solutions. (Embed FRIENDLY fractions, decimals & percents). i.e. Discount problems. <ul style="list-style-type: none"> Pictorial Math (pages 217-234) Scale and Comic Project 	To practice orders of operations have students check solutions.

Essentials for Algebra Semester Two Curriculum Map

Month	February/March	April	May/June
 Concepts Introduced	Graphing Linear Equations	Graphing Linear Inequalities	Exponents
Glencoe	7.1 - 7.6	NA	5
Holt	5 & 6.6	5 & 6.6	7
 Algebra Standards	6.0 – Graphing linear equations/inequalities & compute the intercepts. 7.0 – Verify that a point is on line. 8.0 – Parallel & perpendicular lines.	6.0 – Graphing linear inequalities & compute the intercepts. 7.0 – Verify solutions of an Inequality.	2.0 – Rules of Exponents
 General Math Standards (CAHSEE)	AF 3.3 – Graphing linear functions & understanding slope. AF 4.1 – Solve two-step equations/inequalities.	AF 3.3 – Graphing linear functions & understanding slope. AF 4.1 – Solve two-step equations/inequalities.	NS 1.1 – Scientific notation. NS 2.3 – Exponent rules. AF 2.1 – Positive & negative whole number powers. AF 2.2 – Multiplying & Dividing Monomials. MG 3.3 – Pythagorean Theorem
 Lesson Notes	Remember to emphasize slope as a rate of change. (Connects well with science.) Use of: Brad Fulton Pattern & Function Connection <ul style="list-style-type: none"> • Pictorial Math (pages 278-280) 		<ul style="list-style-type: none"> • Marcy Cook Exponent Number Tiles • Matching Puzzles • Memory Games

* Key Standards comprise a minimum of 70% of the state test. (They should be reviewed regularly.)

** Mathematical Reasoning and Problem Solving is embedded within all concepts.

*** STAR Testing scheduled for 4/28-5/15

