









## Essentials II for Algebra Semester One Curriculum Map

Month/ Instructional Days**	September 17 days	October 23 days	November 18 days	December 15 days	January 18 days
 <b>Concepts Introduced</b>	Rational Number Operations  Simplifying Expressions prior to solving equations in one variable	Rational Numbers  Solving Equations and Inequalities including absolute value	Problems involving percents  Perimeter/Area  Basic Exponents	Rules of exponents  Operations with polynomials  Pythagorean Theorem	Scientific Notation  Power of a power exponents
 <b>Key Standards</b>	Gr 7 NS 1.2 *  Alg 4.0 *	Gr 7 NS 1.3  Alg 3.0 (CAHSEE tested)	Gr 7 NS 1.7 *  Gr 7 MG 2.1  Alg 2.0 *	Gr 7 AF 2.2  Alg 10.0 *  Gr 7 MG 3.3 *	Gr 7 NS 1.1  Alg 2.0 *
 <b>Other Standards</b>	Alg 1.1 Properties of numbers  Gr 7 AF 1.2 * Order of operations to evaluate expressions  Gr 6 NS 1.1 Compare and order pos/neg fractions and decimals and place on number line	Gr 7 AF 4.2 * Solve multi-step problems involving rate, distance, time  Gr 7 MG 1.3 *	Alg 5.0 * Solve multi-step problems	Alg 2.0 *  Simplifying Radicals	
 <b>Lesson Notes &amp; Resources</b>	*Use of estimation of fractions *Tic-Tac-Toe Math *Calendar Project *Benchmark UCLA Alg Ready Test		*Buying/Leasing Auto project		Final Exam Review Sessions
Holt Algebra Text					

\*\*Not necessarily the number of days required for the concepts to be studied—some may overlap months

## Essentials II for Algebra Semester Two Curriculum Map

Month/ Instructional Days**	February 20 days	March 11 days	April 22 days	May+++ 21 days	June 15 days
 Concepts Introduced/ Chapters	The Line –its equation and applications	Solving Systems by graphing  Parallel and Perpendicular lines	Factoring Polynomials	Solving Linear Inequalities	Measurement Conversions  Surface Area Volume
 Key Standards	Alg 6.0 *  Alg 7.0 *	Alg 9.0 *  Alg 8.0	Alg 14.0 *	Alg 4.0 *  Alg 6.0 *	Algebra Readiness Standards: GR MG 1.1, 1.3 * ; 2.2; 3.3 *
 Other Standards	Gr 7 AF 1.5		Alg 5.0 * multi-step problems with Area	Alg 5.0 *  Alg 2.0 *	
 Lesson Notes & Resources	Algebra Walk Activity	Pi Day Activities	Project using systems of equations e.g. Comparison of Cab Ride Fares	Revisit rational numbers and exponent rules  CST Review	CST Review begun in previous unit and continued in this  Final Exam Review
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\* 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 4/28-5/16

