

HS Algebra 1-2/ABCD Pacing for 2009 - 2010

Holt Algebra 1 and LBUSD Math Resources

Dates	# of Days	Textbook Essential Sections, Standard & Subconcepts	* CST Sections	Beat the Computer Drills LBUSD Website – Math Computer Drills Vocabulary for Word Wall	PowerPoint Presentations LBUSD Intranet	Activities LBUSD Intranet
9/10 - 9/23	10	Ch. 1: Foundations of Algebra Sections: 5, 6, 7 Algebra Standards: 1, 1.1, 2, 24.3, 25.1 Roots, properties of numbers, counterexamples, like terms	1-5 1-6 1-7	<ul style="list-style-type: none"> Integer Addition Drill All Facts to 10 Integer Multiplication Drill All Facts to 12 Integer Division Drill All Facts to 12Translate Words to Operations Translate Words to Operations Translate Phrases to Expressions Find the Squares 1 to 15 Find Sq Roots 1 to 225 Vocabulary Holt Algebra Chapter 1 	<ul style="list-style-type: none"> Factor Puzzles PowerPoint Absolute Value Add Integers Algeblocks Add Int 2-Color Counters Add Int Algebra Tiles Add and Sub Int Num Ln Sub Integers Algeblocks Sub Integers 2-Color Counters Properties Exponents Square of a Number Square and Sq Root 	<ul style="list-style-type: none"> Order of Operations Line Up Card Sets Jeopardy: Integer Operations Integer War Deck Integer Line Up Card Set Properties Mix Freeze Match Card Set Jeopardy: Algebra Basics Expressions Mix Freeze Match Card Set Translations "I Have...., Who Has... Whip Card Set Algeblocks Inside-Outside Circle Card Set Concentration: Properties
9/24 – 10/23	22	Ch. 2: Equations Sections: 2, 3, 4, 6, 7, pg. 155 Ch. 3: Inequalities Sections: 4, 5, 6, 7 Algebra Standards: 2, 3, 4, 5, 15 Solving two-step, & multi-step equations/inequalities, word problems, solving equations/inequalities with variables on both sides, literal equations, absolute-value equations/inequalities, compound inequalities	2-3 2-4 2-6 2-7 3-4 3-5 3-6 3-7	<ul style="list-style-type: none"> Translate Sentences to Equations and Inequalities Vocabulary Holt Algebra Chapter 2 Vocabulary Holt Algebra Chapter 3 	<ul style="list-style-type: none"> One Step Equations Solve Lin Eq Algeblocks Solving 1 Step Equations Memorize Frac to Perc Percents of Quantities Proportion for Percent Percent Tricks 1 Percent Tricks 2 	<ul style="list-style-type: none"> Inequalities In Out Circle Jeopardy: Expressions, Equations and Inequalities
10/26 – 11/25	22	Ch. 4: Functions Section: 2 only Ch. 5: Linear Functions Sections: 1, 2, 3, 5, 6, 7 Algebra Standards: 6, 7, 8, 17, 18, 25.1 Graph linear equations, find intercepts, slope, parallel and perpendicular lines, domain and range, functions & relations	5-1 5-2 5-5 5-6 5-7	<ul style="list-style-type: none"> Vocabulary Holt Algebra Chapter 4 Vocabulary Holt Algebra Chapter 5 	<ul style="list-style-type: none"> Slope Slope Intercept Form and Standard Form of an Equation Slope Intercept Form of an Equation 	<ul style="list-style-type: none">

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11/5 – 11/10	4	Practice and Quarter Exam 1 Chapters 1, 2, 3, 4, and 5	Q ends 11/10	•	•	• Jeopardy: PH Algebra 1-2 Or 1 Review
11/30 – 12/18	14	Ch. 6: <u>Systems of Equations and Inequalities</u> Sections: 1, 2, 3, 4, 5 skip rate and mixture, 6, 7 <u>Algebra Standards: 5, 6, 8, 9</u> Solving systems by graphing, substitution, and elimination, solving special systems, linear inequalities, systems of linear inequalities	6-1 6-2 6-3 6-4 6-5 6-6 6-7	• Vocabulary Holt Algebra Chapter 6	• Solving a System using the Elimination Method	•
1/04 – 1/15	10	Ch. 7: <u>Exponents and Polynomials</u> Sections: 1, 3, 4, 5 <u>Algebra Standards: 2, 10</u> Rules of exponents, fractional exponents, polynomials, operations with polynomials, multiply binomials	7-5	• Product of a Power • Quotient of a Power expand • Quo of a Power subt exp. • Vocabulary Holt Algebra Chapter 7	• Power of a Power • Product of Powers • Quotient of Powers • Multiply Binomials XP	• Mult Binom Combine Cards • Concentration: Properties of Exponents
1/19 – 1/25	5	Review for Semester Exam	Practice Final			
1/26– 1/29	4	1st Semester Final Exams				
2/01 – 2/16	10	Ch. 7 (con'd.): <u>Exponents and Polynomials</u> Sections: 6, 7, 8, 9 <u>Algebra Standards: 2, 10</u> Rules of exponents, fractional exponents, polynomials, operations with polynomials, multiply binomials	7-6 7-7 7-8 7-9	• Product of a Power • Quotient of a Power expand • Quo of a Power subt exp. • Vocabulary Holt Algebra Chapter 7	• Power of a Power • Product of Powers • Quotient of Powers • Multiply Binomials XP	• Mult Binom Combine Cards • Concentration: Properties of Exponents

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2/17 – 3/08	14	Ch. 8: Solving Systems of Linear Equations Sections: 1, 2, 3, 4, 5, 6 Algebra Standard: 11 Factoring second and third degree polynomials, common factors, difference of two squares, perfect square trinomials	8-2 8-3 8-4 8-5 8-6	<ul style="list-style-type: none"> Vocabulary Holt Algebra Chapter 8 	<ul style="list-style-type: none"> Factoring with an X-Box Factor Puzzles 	
3/09– 3/30	16	Ch. 9: Quadratic Functions and Equations Skim sections 9-1 to 9-4 for vocabulary and conceptual understanding (look at CST released items). Sections 5, 6, 7, 8 be sure to derive the quadratic formula, and Chapter 11 Section 2 Algebra Standards: 2, 14, 19, 20, 22, 23 Simplifying radicals, solve quadratic equations, completing the square, the discriminant, quadratic formula	9-5 9-6 9-7 9-8	<ul style="list-style-type: none"> Pythagorean Triples Vocabulary Holt Algebra Chapter 9 Vocabulary Holt Algebra Chapter 11 	<ul style="list-style-type: none"> Simplifying Radicals 	
3/31 – 4/01	2	Practice and Quarter Exam 3 Chapters 7-6 through 7-9, 8 and 9-5 through 9-9	3 rd Q ends 4/14			
4/02 – 4/12	2	Review CA Standards pgs. 194, 388				
4/13 - 5/06	18	Ch. 10: Rational Functions and Equations Sections: 3, 4, 5, 6 ex. 1 and 2 only, 7, 8 mixture, work & rate Sect. 2-5 Algebra Standards: 10, 12, 13, 15, 17 Simplifying rational expressions, operations with rational expressions, solving rational equations, mixture, work, rate	10-3 10-4 10-5 10-6 10-7 10-8	<ul style="list-style-type: none"> Vocabulary Holt Algebra Chapter 10 	<ul style="list-style-type: none"> Distance Word Problems Part 1 Distance Word Problems Part 2 	<ul style="list-style-type: none"> Matching Card Activity for Simplifying Rational Expressions

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4/26 – 4/30		Review Key Concepts State Testing Pgs. 617-621, 691-695				
5/07 – 6/04	20	Ch. 9: Quadratic Functions and Equations (cond.) Sections: 1, 2, 3, 4 Algebra Standards: 14, 17, 21, 23 Simplifying radicals, graph quadratic functions, domain, range, factoring by GCF, solve quadratic equations by graphing Ch. 11 Radical and Exponential Functions Sections: 2 review, 3, 4, 5 Algebra Standards: 2 Simplifying radical expressions, operations with radical expressions, solving radical equations	9-1 9-2 9-3 9-4	<ul style="list-style-type: none"> • Pythagorean Triples • Vocabulary Holt Algebra Chapter 9 • Vocabulary Holt Algebra Chapter 11 	<ul style="list-style-type: none"> • Simplifying Radicals • Add and Subtract Radicals 	
6/07 - 6/10	4	<ul style="list-style-type: none"> • Practice Final • Analyze Errors • Reteach Concepts 				
6/11 - 6/16	4	End-of-Course Exam				