

2009-2010 Middle School Algebra 1-2 Pacing

Holt Algebra and LBUSD Math Resources

**Please note: This is a suggested pacing. Teachers may spend more or less time on each lesson, depending on their students' needs. The only requirement is that all teachers give the end of quarter exams within a week of the quarter exam date.*

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
9/9 – 9/11	3	<ul style="list-style-type: none"> Integers Students make flashcards for Integer Facts Pre-Course Practice and Pre-Course Test 		<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 12 	<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 	<ul style="list-style-type: none"> Order of Operations Line Up Card Sets Jeopardy: Integer Operations Integer War Deck Integer Line Up Card Set
9/14 – 9/18	5	<p>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</p>	1-5 1-6 1-7	<ul style="list-style-type: none"> 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"> Properties Exponents Square of a Number Square and Sq Root 	<ul style="list-style-type: none"> 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
9/21 – 10/9	15	<p>Ch. 2: Equations Sections: 2, 3, 4, 6, 7 Ch. 3: Inequalities Sections: 4, 5, 6, 7 Algebra Standards: 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</p>	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

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10/12 – 10/30	15	Ch. 4: Functions Section: 2 only Ch. 5: Linear Functions Sections: 1, 2, 3, 5, 6, 7 Algebra Standards: 6, 7, 8, 16, 17, 18 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 		
11/2 – 11/4	3	Practice and Quarter Exam 1 Chapters 1, 2, 3, 4, and 5				<ul style="list-style-type: none"> • Jeopardy: PH Algebra 1-2 Qtr 1 Review
11/5 – 12/11	24	Ch. 6: Systems of Equations and Inequalities Sections: 1, 2, 3, 4, 5(skip rate and mixture), 6, 7 Algebra Standards: 6, 9 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	<ul style="list-style-type: none"> • Vocabulary Holt Algebra Chapter 6 	<ul style="list-style-type: none"> • Solving a System using the Elimination Method 	
12/14 – 1/22	19	Ch. 7: Exponents and Polynomials Sections: 1, 3, 4, 5, 6, 7, 8, 9 Algebra Standards: 2, 10 Rules of exponents, fractional exponents, polynomials, operations with polynomials, multiply binomials	7-5 7-6 7-7 7-8 7-9	<ul style="list-style-type: none"> • Product of a Power • Quotient of a Power expand • Quo of a Power subt exp. • Vocabulary Holt Algebra Chapter 7 	<ul style="list-style-type: none"> • Power of a Power • Product of Powers • Quotient of Powers • Multiply Binomials XP 	<ul style="list-style-type: none"> • Mult Binom Combine Cards • Concentration: Properties of Exponents
1/25 – 1/27	3	Practice and Quarter Exam 2 Chapters 6 and 7				

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1/28 – 2/19	15	Ch. 8: Factoring Polynomials Sections: 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 	
2/22 – 3/26	25	Ch. 9: Quadratic Functions and Equations Sections: 1, 2, 3, 4, 5, 6, 7, 8 (be sure to derive the quadratic formula), 9, and Chapter 11 Section 2 (When finding exact solutions in chapter 9, teach students to <i>simplify</i> all radicals) Algebra Standards: 2, 14, 17, 19, 20, 21, 22, 23 Simplifying radicals, graph quadratic functions, domain, range, solve quadratic equations, completing the square, the discriminant, quadratic formula	9-1 9-2 9-3 9-4 9-5 9-6 9-7 9-8	<ul style="list-style-type: none"> • Vocabulary Holt Algebra Chapter 9 • Vocabulary Holt Algebra Chapter 11 	<ul style="list-style-type: none"> • Simplifying Radicals 	
3/29 – 3/31	3	Practice and Quarter Exam 3 Chapters 8 and 9				

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4/1 – 4/30	17	Ch. 10: Rational Functions and Equations Sections: 3, 4, 5, 6(ex. 1 and 2 only), 7, 8(add mixture & rate from Lesson 6-5) Algebra Standards: 10, 12, 13, 15 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
5/3 – 5/14	10	State Testing				
5/17 – 5/28	10	Ch. 11 Radical and Exponential Functions Sections: 2(review), 3, 4, 5 Algebra Standards: Extension of 2.0 Simplifying radical expressions, operations with radical expressions, solving radical equations, exponential functions		<ul style="list-style-type: none"> Vocabulary Holt Algebra Chapter 11 	<ul style="list-style-type: none"> Add and Subtract Radicals 	
6/1 – 6/4	4	<ul style="list-style-type: none"> Practice End of Course Exam Re-Teach Most-Missed Concepts End of Course Exam 				
6/7 – 6/17	9	Ch. 11 Radical and Exponential Functions Sections: 7, 8 <ul style="list-style-type: none"> Analyze Student Errors Reteach Concepts 				