

## 2009-2010 Middle School Algebra CD 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 <b>Vocabulary for Word Wall</b>	PowerPoint Presentations LBUSD Intranet	Activities LBUSD Intranet
9/9 – 10/9	23	<ul style="list-style-type: none"> <li>Integer facts</li> <li>Students make flashcards</li> <li>Review chapters 1 – 7-5 of Algebra book</li> </ul>		<ul style="list-style-type: none"> <li>Integer Addition Drill <a href="#">All Facts to 10</a></li> <li>Integer Multiplication Drill <a href="#">All Facts to 12</a></li> <li>Integer Division Drill <a href="#">All Facts to 12</a></li> <li><a href="#">Translate Phrases to Expressions</a></li> <li><a href="#">Translate Sentences to Equations and Inequalities</a></li> <li><a href="#">Slope of a Line</a></li> </ul>	<ul style="list-style-type: none"> <li><a href="#">Factor Puzzles PowerPoint</a></li> <li><a href="#">Add Integers W Algeblocks</a></li> <li><a href="#">Subtract Integers W Algeblocks</a></li> <li><a href="#">Algeblocks Inside-Outside Circle Card Set</a></li> <li><a href="#">Solve Lin Eq W Algeblocks</a></li> <li><a href="#">Slope</a></li> <li><a href="#">Slope Horizontal Lesson Plan (Word)</a></li> </ul>	<ul style="list-style-type: none"> <li><a href="#">Jeopardy: Algebra Basics</a></li> <li><a href="#">Jeopardy: Expressions, Equations and Inequalities</a></li> <li><a href="#">Jeopardy: Integer Operations</a></li> <li><a href="#">Jeopardy: Solving Equations</a></li> <li><a href="#">Jeopardy: All Grade 7 Standards</a></li> <li><a href="#">Concentration: Properties of Exponents</a></li> </ul>
10/12 – 10/30	15	<p><b>Ch. 7: Exponents and Polynomials</b> Sections: 6, 7, 8, 9, pp. 436-437, pp. 444-445</p> <p><b>Algebra Standards: 2, 10</b> Rules of exponents, fractional exponents, polynomials, operations with polynomials, multiply binomials</p>	7-6 7-7 7-8 7-9	<ul style="list-style-type: none"> <li><a href="#">Vocabulary Holt Algebra Chapter 7</a></li> </ul>	<ul style="list-style-type: none"> <li><a href="#">Multiply Binomials XP</a></li> </ul>	<ul style="list-style-type: none"> <li><a href="#">Mult Binom Combine Cards</a></li> </ul>
11/2 – 11/4	3	<p><b>Practice and Quarter Exam 1</b> Chapter 7 plus AB review</p>				<ul style="list-style-type: none"> <li>Jeopardy: <a href="#">PH Algebra 1-2 Qtr 1 Review</a></li> </ul>

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11/5 – 12/4	19	<b>Ch. 8: Factoring Polynomials</b> Sections: 1, 2, 3, 4, 5, 6 <b>Algebra Standard: 11</b> 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"> <li>• <a href="#">Vocabulary Holt Algebra Chapter 8</a></li> </ul>	<ul style="list-style-type: none"> <li>• <a href="#">Factoring with an X-Box</a></li> <li>• <a href="#">Factor Puzzles</a></li> </ul>	
12/7 – 1/22	24	<b>Ch. 9: Quadratic Functions and Equations</b> Sections: 1, 2, 3, 4, 5, and <b>Chapter 11</b> Section 2 <i>(When finding exact solutions in chapter 9, teach students to <b>simplify</b> all radicals), p. 552</i> <b>Algebra Standards: 2, 14, 17, 19, 20, 21, 22, 23</b> Simplifying radicals, graph quadratic functions, domain, range, solve quadratic equations	9-1 9-2 9-3 9-4 9-5	<ul style="list-style-type: none"> <li>• <a href="#">Vocabulary Holt Algebra Chapter 9</a></li> <li>• <a href="#">Vocabulary Holt Algebra Chapter 11</a></li> </ul>	<ul style="list-style-type: none"> <li>• <a href="#">Simplifying Radicals</a></li> </ul>	
1/25 – 1/27	3	<b>Practice and Quarter Exam 2</b> Chapters 8 and 9 (through 9-5)				

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1/28 – 2/19	15	<b>Ch. 9: Quadratic Functions and Equations</b> Sections: 6, 7, 8( <b>be sure to derive the quadratic formula</b> ), 9, and <b>Chapter 11</b> Section 2 ( <b>When finding exact solutions in chapter 9, teach students to <i>simplify</i> all radicals</b> ), pp. 588-589 <b>Algebra Standards: 2, 14, 17, 19, 20, 21, 22, 23</b> Simplifying radicals, solve quadratic equations, completing the square, the discriminant, quadratic formula	9-6 9-7 9-8	<ul style="list-style-type: none"> <li>• <a href="#">Vocabulary Holt Algebra Chapter 9</a></li> <li>• <a href="#">Vocabulary Holt Algebra Chapter 11</a></li> </ul>	<ul style="list-style-type: none"> <li>• <a href="#">Simplifying Radicals</a></li> </ul>	
2/22 – 3/26	25	<b>Ch. 10: Rational Functions and Equations</b> Sections: 1, 2, 3, 4, 5, 6, p. 626, p. 666 <b>Algebra Standards: 10, 12, 13, 15</b> Simplifying rational expressions, operations with rational expressions, solving rational equations, mixture, work, rate	10-3 10-4 10-5 10-6	<ul style="list-style-type: none"> <li>• <a href="#">Vocabulary Holt Algebra Chapter 10</a></li> </ul>		<ul style="list-style-type: none"> <li>• <a href="#">Matching Card Activity for Simplifying Rational Expressions</a></li> </ul>
3/29 – 3/31	3	<b>Practice and Quarter Exam 3</b> Chapters 9 and 10 (9-6 through 10-5, including 11-2)				

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4/1 – 4/23	12	<b>Ch. 10: <u>Rational Functions and Equations</u></b> Sections: 7, 8 (add mixture & rate from Lesson 6-5) <b>Algebra Standards: 10, 12, 13, 15</b> Simplifying rational expressions, operations with rational expressions, solving rational equations, mixture, work, rate	10-7 10-8	<ul style="list-style-type: none"> <li><a href="#">Vocabulary Holt Algebra Chapter 10</a></li> </ul>	<ul style="list-style-type: none"> <li><a href="#">Distance Word Problems Part 1</a></li> <li><a href="#">Distance Word Problems Part 2</a></li> </ul>	
4/26 – 4/30	5	<b>Course Review</b>				<ul style="list-style-type: none"> <li><a href="#">Jeopardy: Algebra I Standards</a></li> </ul>
5/3 – 5/14	10	<b>State Testing</b>				
5/17 – 5/28	10	<b>Ch. 11 <u>Radical and Exponential Functions</u></b> Sections: 1, 3, 4 <b>Algebra Standards: Extension of 2.0</b> Simplifying radical expressions, operations with radical expressions, solving radical equations, exponential functions		<ul style="list-style-type: none"> <li><a href="#">Vocabulary Holt Algebra Chapter 11</a></li> </ul>	<ul style="list-style-type: none"> <li><a href="#">Add and Subtract Radicals</a></li> </ul>	
6/1 – 6/4	4	<ul style="list-style-type: none"> <li>Practice End of Course Exam</li> <li>Re-Teach Most-Missed Concepts</li> <li><b>End of Course Exam</b></li> </ul>				
6/7 – 6/17	9	<b>Ch. 11 <u>Radical and Exponential Functions</u></b> Sections: 5, 6, 7 <ul style="list-style-type: none"> <li>Analyze Student Errors</li> <li>Reteach Concepts</li> </ul>				