

West Contra Costa Unified School District

Suggested Pacing Guide for High School Algebra I

Text: Prentice Hall CA Algebra I 2001 Edition

Time/ # of days	Topics: Content & Assessment	CA Content Standards	Resources
15	Chapter 2: Integers and Rational Numbers		-
1	2-1: Integers and the Number Line	2.0	Adding/Subtracting Integers Worksheet
1	2-2: Rational Numbers (Terminating/Repeating Decimals)	1.0	
1	2-3: Addition of Rational Numbers	1.0	Fractions — Adding
1	2-4: Subtraction of Rational Numbers	1.0	
1	2-5: Multiplication of Rational Numbers	1.0	Fractions — Multiplying
1	2-6: Division of Rational Numbers	1.0, 2.0	Fractions — Dividing
1	1-5: The Distributive Property of Multiplication over Additions	1.0, 4.0, 10.0	Distributive Property
2	2-7: Using Distributive	1.0, 4.0, 10.0	
1	1-4: The Associative Properties	1.0	
2	2-8: Inverse of a Sum	1.0, 2.0, 4.0, 10.0	
3	Review and Assessment		
20	Chapter 3: Equations		-
1	1-1: Symbols and Expressions	1.0	
2	1-9: Using Formulas	5.0	
2	3-1: The Addition Property of Equality	5.0	
2	3-2: The Multiplication Property of Equation	5.0	

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1	1-2: The Commutative and Identity Properties	10.0	
2	3-3: Using the Properties Together	5.0, 25.0	
1	3-4: Expressions and Equations	5.0	
1	1-6: Writing Expressions	5.0	
1	3-5: More on Solving Equations	5.0	
1	Assessment 5.1, 3.2, 3.3, 3.4		
1	3-6: Clearing an Equation of Fractions	5.0	
1	3-7: Formulas	5.0	
1	3-9: Proportions	3.0, 25.2, 25.3	Mixture Problems
1	3-8: Solving Equations Involving Absolute Value	5.0	
2	Review and Assessment		
16	Chapter 7: Graphs and Linear Equations		
1	7-1: Graphing Ordered Pairs	6.0	
1	7-2: Graphing Equations	6.0, 7.0	
2	7-3: Linear Equations and Their Graphs	6.0	Graphing Family of Functions
2	7-4: Slope	8.0	
2	7-5: Equations and Slope	6.0	Three Forms of an Equation of a Line

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1	Benchmark 1 Assessment: Chapters 1, 2, 3, and 7.1-7.3		
2	7-6: Finding the Equation of a Line	7.0	Three Forms of an Equation of a Line
2	7-8: Parallel and Perpendicular Lines	8.0	
2	7-7: Fitting Equations to Data	7.0	
2	Review and Assessment		
12	Chapter 8: Systems of Equations		
1	8-1: Solving Systems of Equations by Graphing	9	
2	8-2: The Substitution Method	9	
2	8-3: The Addition Method	9	
2	8-4: Using Systems of Equations	9	
1	8-5: Motion Problems	15	
1	8-6: Digit and Coin Problems	9	
3	Review and Assessment		
7	Chapter 4: Inequalities		
1	4-1: Inequalities and Their Graphs	1	
1	4-2: The Addition Property of Inequalities	5	
1	4-3: The Multiplication Property of Inequalities	5	

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2	4-4: Using the Properties Together	5	
2	Review and Assessment		
10	Chapter 9: Inequalities and Absolute Value		-
1	9-2: Compound Sentences	5, 24	
1	9-3: Equations and Absolute Value	3	
2	9-4: Inequalities and Absolute Value	3	
2	9-5: Inequalities in Two Variables	6	
2	9-6: Graphing Systems of Linear Inequalities	9	
2	Review and Assessment		
1	Benchmark 2 Assessment: Chapters 4, 7.4-7.7, and 8		
19	Chapter 5: Polynomials		
1	1-3: Exponential Notation	20.0	
1	5-1: Exponents	2	Properties of Exponents Quotient of Powers Zero and Negative Exponents
1	5-2: More with Exponents	2	
2	5-3: Multiplying and Dividing Monomials	10	
1	5-4: Scientific Notation	2	
1	5-5: Polynomials	10	
2	5-6: More on Polynomials	10	

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1	5-7: Addition of Polynomials	10	
2	5-8: Subtraction of Polynomials	10	
2	5-9: Multiplication of Monomials and Binomials	10	
2	5-11: Multiplying Polynomials	10	
3	Review and Assessment		
19	Chapter 6: Polynomials and Factoring		
1	6-1: Factoring Polynomials	11.0	Factoring — GCF, Trinomials, Difference of Squares, Flowchart Connecting Binomial Multiplication and Factoring Trinomials Using Algebra Tiles Completing the Square
1	5-10: Multiplying Binomials: Special Products	10	
1	6-2: Difference of Two Squares	11.0	
2	6-4: Factoring $x^2 + bx + c$	11.0	
3	6-5: Factoring $ax^2 + bx + c$	11.0	
1	6-3: Trinomial Squares	11.0	
2	6-7: Factoring: A General Study	11.0	
2	6-6: Factoring by Grouping	11.0	
2	6-8: Solving Equations by Factoring	14.0	
1	6-9: Using Equations that Factor	10.0, 14.0	
3	Review and Assessment		
15	Chapter 13: Quadratic Equations		
2	13-1: Introduction to Quadratic Equations	14.0, 21.0	Graphing Family of Functions
2	13-2: More Solving Quadratic Equations	23.0	

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2	13-3: Solving by Completing the Square	14.0	Completing the Square
3	13-4: The Quadratic Formula	19.0, 20.0, 22.0	Derivation of Quadratic Formula
3	12-4: Quadratic Functions	21.0, 22.0	
3	Review and Assessment		
14	Chapter 10: Rational Expressions & Equations		-
2	10-1: Simplifying Rational Expressions	12.0	
2	10-2: Multiplying Rational Expressions	13.0	
2	10-3: Dividing Rational Expressions	13.0	
2	10-4: Addition & Subtraction: Like Denominators	13.0	
3	10-5: Addition & Subtraction: Unlike Denominators	13.0	
3	Review and Assessment		
10	Chapter 12/11: Relations and Functions/Radical Expressions		
1	12-1: Relations and Functions	13.0, 16.0, 17.0, 18.0	
1	12-2: Functions and Graphs	16.0, 17.0, 18.0	
1	11-1: Real Numbers	2.0, 25.1	
2	11-2: Radical Expressions	2.0	
3	11-3: Simplifying Radical Expressions	2.0	
2	Review and Assessment		
1	Benchmark 3 Assessment		