

West Contra Costa Unified School District
Suggested Pacing Guide for Middle School Algebra I
Text: McDougal Littell California Algebra I

Time/ # of days	Topics: Content & Assessment	CA Content Standards	Resources
9	Chapter 2: Properties of Real Numbers		
1	2.2 Add Real Numbers	1.0 1.1	Integers – Adding Adding/Subtracting Integers Worksheet
2	2.3 Subtract Real Numbers	1.0 1.1	Integers – Subtracting Adding/Subtracting Integers Worksheet
1	2.4 Multiply Real Numbers	1.0 1.1	Integer Operations
2	2.5 Apply the Distributive Property	1.0, 1.1, 25.2	Distributive Property
1	2.6 Divide Real Numbers	1.0, 1.1, 2.0	
2	Review and Assessment		
13	Chapter 3 : Solving Equations		
2	3.1 Solve One-Step Equations	Gr. 6 AF 1.1	Syntax - Expressions and Equations One-Step Equations Bar Models — Solving Equations
2	3.2 Solve Two-Step Equations	Gr. 7 AF 4.1	Solving Equations - Multiple Methods Bar Models — Solving Equations
3	3.3 Solve Multi-Step Equations	4.0	Solving Equations - Multiple Methods Solving Equations with Two Column Proofs
4	3.4 Solve Equations with Variables on Both Sides	5.0	Solving Equations with Variables on Both Sides

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2	Review and Assessment		
14	Chapter 4: Solving Inequalities		
2	4.1 Solve Inequalities Using Addition and Subtraction	Gr. 7 AF 4.1	Solving Inequalities
2	4.2 Solve Inequalities Using Multiplication and Division	Gr. 7 AF 4.1	Solving Inequalities
2	4.3 Solve Multi-Step Inequalities	4.0, 5.0	
2	4.4 Solve Compound Inequalities	4.0, 5.0	
2	4.5 Solve Absolute Value Equations	3.0	Absolute Value Equations and Inequalities
2	4.6 Solve Absolute Value Inequalities	3.0	Absolute Value Equations and Inequalities
2	Review and Assessment		
1	Benchmark 1 Assessment		
13	Chapter 5: Graphing Linear Equations and Functions		
1	5.1 Represent Functions as Ordered Pairs and Rules	16.0, 17.0, 18.0	
2	5.2 Represent Functions as Graphs	17.0, 18.0	
3	5.3 Graph Linear Equations and Functions	6.0, 7.0	
1	5.4 Graph Using Intercepts	6.0	
2	5.5 Find Slope and Rate of Change	Gr. 7 AF 3.3	Discovering Slope
2	5.6 Graph Using Slope-Intercept Form	6.0	Slope-Intercept Sort

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2	Review and Assessment		
7	Chapter 6: Writing Linear Equations		
2	6.1 Write Linear Equations in Slope-Intercept Form	7.0	Three Forms of an Equation of a Line
1	6.2 Use Linear Equations in Slope-Intercept Form	7.0	
1	6.3 Write Linear Equations in Point-Slope Form	7.0	Three Forms of an Equation of a Line
2	6.4 Write Linear Equations in Standard Form	7.0	Three Forms of an Equation of a Line
2	6.5 Write Equations of Parallel and Perpendicular Lines	8.0	Exploring Parallel and Perpendicular Lines
2	Review and Assessment		
20	Chapter 7: Systems of Equations and Inequalities		
1	7.1 Solve Linear Systems by Graphing	9.0	Systems of Equations — Multiple Methods
2	7.2 Solve Linear Systems by Substitution	9.0	Solving a System by Substitution
1	7.3 Solve Linear Systems by Adding or Subtracting	9.0	
2	7.4 Solve Linear Systems by Multiplying First	9.0	Systems of Equations — Multiple Methods
1	7.5 Solve Special Types of Linear Systems	9.0	
3	7.6 Solve Rate Problems	15.0	Rate Problems Using Bar Models
2	7.7 Solve Mixture Problems	15.0	Mixture Problems
2	7.8 Graph Linear Inequalities in Two Variables	6.0	Graphing Linear Inequalities Sort
2	7.9 Solve Systems of Linear Inequalities	9.0	Solving Systems of Inequalities

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4	Review and Assessment		
1	Benchmark 2 Assessment		
3	Chapter 8: Exponents and Radicals		
1	8.1 Apply Exponent Properties Involving Products	2.0	
1	8.2 Apply Exponent Properties Involving Quotients	2.0	Quotient of Powers
1	8.3 Define and Use Zero and Negative Exponents	2.0	Zero and Negative Exponents
19	Chapter 9: Polynomials and Factoring		
2	9.1 Add and Subtract Polynomials	10.0	
2	9.2 Multiply Polynomials	10.0	Connecting Binomial Multiplication and Factoring Trinomials Using Algebra Tiles
1	9.3 Find Special Products of Polynomials	10.0	
1	9.4 Divide Polynomials	10.0	Factoring — GCF, Trinomials, Difference of Squares, Flowchart
2	9.5 Solve Polynomial Equations in Factored Form	11.0, 14.0, 23.0	
2	9.6 Factor $x^2 + bx + c$	11.0, 14.0	Factoring Quadratics -- class notes Factoring — GCF, Trinomials, Difference of Squares, Flowchart
2	9.7 Factor $ax^2 + bx + c$	11.0, 14.0	Factoring Trinomials - Day 1
2	9.8 Factor Special Products	11.0, 14.0, 25.2	Difference of Squares

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Time/ # of days	Topics: Content & Assessment	CA Content Standards	Resources
2	9.9 Factor Polynomials Completely	11.0, 14.0, 25.1	
3	Review and Assessment		
16	Chapter 10: Quadratic Equations and Functions		
2	10.5 Use Square Roots to Solve Quadratic Equations	23.0	Square and Square Roots
2	10.6 Solve Quadratic Equations by Completing the Square	14.0	Completing the Square Quadratics – Solving by Completing the Square, Factoring, Formula, and Graphically
1	8.4 Simplify Radical Expressions	1.0, 25.1	Simplifying Radicals – Day 1
3	10.7 Solve Quadratic Equations by the Quadratic Formula	19.0, 20.0	Derivation of Quadratic Formula
1	10.8 Interpret the Discriminant	20.0, 22.0	Investigating the Discriminant
2	10.1 Graph $y = ax^2$	21.0	Graphing Family of Functions Families of Functions Sort Family of Functions – Graphing Calculator Lesson Family of Functions Graphing Worksheet
2	10.2 Graph $y = ax^2 + bx + c$	21.0	Quadratics – Matching Game Family of Functions and Their Graphs
2	Review and Assessment		

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Time/ # of days	Topics: Content & Assessment	CA Content Standards	Resources
13	Chapter 11: Rational Expressions and Equations		
2	11.2 Simplify Rational Expressions	12.0	
3	11.3 Multiply and Divide Rational Expressions	13.0	
3	11.4 Add and Subtract Rational Expressions	13.0	
2	11.5 Solve Rational Equations	13.0	
1	11.6 Solve Work Problems	15.0	Work Problems – Bar Models
2	Review and Assessment		
7	After CST		
2	5.7 Recognize Direct Variation	6.0	
2	11.1 Recognize Inverse Variation	6.0	
3	10.4 Solve Quadratic Equations by Graphing	21.0	Quadratics – Matching Game
1	Benchmark 3 Assessment		
12	Chapter 12: Probability: Review and Preview		
2	12.1 Find Theoretical and Experimental Probability	Gr. 6 SDAP 3.0	
2	12.2 Find Probabilities Using Permutations	2 18.0	
3	12.3 Find Probabilities Using Combinations	2 18.0, 19.0	
3	12.4 Find Probabilities of Compound Events	Gr. 6 SDAP 3.4, 3.5	
2	Review and Assessment		