

San Lorenzo Unified: Suggested Timeline for Algebra I 2007-2008 DRAFT
(district)

Text: *Concepts and Skills*, Mc Dougal Littell

| Time | Topics: Content & Assessment | CA Standards | Textbook |
|-------------------------|--|--|-----------------|
| 47 teaching days | First Quarter | | |
| 9 days | Chapter 1 Skills Review/ Diagnostic (3 days) 1.2 Evaluate Expressions/ Use Exponents/1.3 Order of Operations (1 day) Write Expressions (1 day) 1.4 Write Equations/Inequalities (1 day) 1.6 Problem Solving Plan (1 day) 1.8 (1 day) 1.5 (1 day) Review/Assessment (2 days) | Various Gr.6 AF1.2/ Gr.7 AF1.2 Gr.7 AF 1.1 Gr.7 AF1.1 Gr.7 MR2.5 | |
| 12 days | Chapter 2 Use Integers & Rational Numbers (1 day) 2.3 Add Real Numbers/2.4 Subtract Real Numbers (1 day) 2.5 Multiply Real Numbers/ 2.8 Divide Real Numbers (2 day) Quiz (1 day) 2.6 Use the Distributive Property (2 days) 2.7 Combining Like Terms (1 day) 2.1 Compare Real number's/ Warm-Ups on Square Roots (2 days) Review/ Assessment (2 days) | Alg.: 2.0, 24.2, 24.3 Alg.:1.0,1.1 Alg.:1.0,1.1/ Alg.: 2.0 Alg.:1.0, 1.1, 25.2 Alg.:1.0, 2.0 Alg.: 24.0, 25.0, 25.3 | |

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| <p>13 days</p> | <p>Chapter 3</p> <p>Cups/Chips (3 days)</p> <p>3.1 Solve One-Step Equations (1 day)</p> <p>3.2 Solve Two-Step Equations (1 day)</p> <p>3.3 Solve Multi-Step Equations (1 day)</p> <p>3.4 Solve Equations with Variables on Both Sides (1 day)</p> <p>3.5 (1 or 2 days)</p> <p>Quiz (1 day)</p> <p>3.8 Write Ratios/Warm Ups Proportions (2 days)</p> <p>3.7 Rewrite Equations & Formulas (1 day)</p> <p>Review/ Assessment (2 days)</p> | <p>Gr.6: AF1.1</p> <p>Gr.7: AF4.1</p> <p>Alg.: 4.0</p> <p>Alg.: 5.0</p> <p>Gr.6: NS1.2/ Gr.6: NS1.3</p> <p>Gr. 6: AF3.1</p> | |
| <p>13 days</p> | <p>Chapter 6</p> <p>6.1 Solve Inequalities w/ Addition & Subtraction (1 day)</p> <p>6.2 Solve Inequalities w/ Mult. & Division (1 day)</p> <p>6.3 Solve Multi-step Inequalities (1 day)</p> <p>Quiz/Review (2 days)</p> <p>6.4/ 6.5 Solve Compound Inequalities (3 days)</p> <p>6.6/ 6.7 Solve Absolute Value Equations (3 days)</p> <p>Review/Assessment (2 days)</p> | <p>Gr.7: AF4.1</p> <p>Gr.7: AF4.1</p> <p>Alg.: 4.0, 5.0</p> <p>Alg.: 4.0, 5.0</p> <p>Alg. 3.0</p> | |

| Time | Topics: Content & Assessment | CA Standards | Textbook |
|------------------|---|---------------------|-----------------|
| 42 teaching days | Second Quarter | | |

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| <p>13 days</p> | <p>Chapter 4</p> <p>4.2 /4.3 Graph Linear Equations / Functions (3 days) 4.4 Graph Using Intercepts (1 day) Quiz (1 day) 4.5 Find Slope & Rate of Change (2 days) 4.7 Graph Using Slope-Intercept Form (2 days) 4.6 Recognize Direct Variation (1 day)</p> <p>Float Day (1 day) Review/Assessment (2 days)</p> | <p>Alg. 6.0, 7.0 Alg. 6.0 Gr.7: AF3.3 Alg. 6.0 Alg. 6.0</p> | |
| <p>12 days</p> | <p>Chapter 5</p> <p>5.1 Write Linear Equations in Slope-Intercept Form (2 days) 5.2/5.3 Write Linear Equations in Point-Slope Form (2 days) Quiz/Review/Preview (1 day) Review/ 5.4 Write Linear Equations in Standard Form (3 days) 4.7/5.6 Write Equations of Parallel & Perpendicular Lines (2 days)</p> <p>Review/ Assessment (2 days)</p> | <p>Alg. 7.0 Alg. 7.0 Alg. 7.0 Alg. 8.0</p> | |
| <p>12 days</p> | <p>Chapter 7</p> <p>7.1 Solve Linear Systems by Graphing (1 day) 7.2 Solve Linear Systems by Substitution (2 days) 7.3 Solve Linear Systems by Adding/Subtracting (1 day) Quiz/Review (1 day) 7.3 Solve Linear Systems by Multiplying First (2 day) 7.5 Solve Special Linear Systems (1 day) 3.8 Rate Problems/ Mixture Problems (2 day)</p> <p>Review/ Assessment (2 day)</p> | <p>Alg. 9.0 Alg. 9.0 Alg. 9.0 Alg. 9.0 Alg. 9.0 Alg.: 15.0</p> | |

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| 5 days | Midterm Review (3 days) Midterm (2 days) | | |
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| Time | Topics: Content & Assessment | CA Standards | Textbook |
|-------------------------|---|--|----------|
| 48 teaching days | Third Quarter | | |
| 11 days | Mixed Chapters/Sections 6, 7, 8, 9 6.7 Graph Linear Inequalities in Two Variables (2 days) 7.6 Solve Systems of Linear Inequalities (2 days) Quiz/Review (1 day) 8.1 Exponent Properties Involving Products (1 day) 8.4 Exponent Properties Involving Quotients (1 day) 8.2 Zero/Negative Exponents (1 day) 9.3 Simplify Radical Expressions (1 day) Review/ Assessment (2 days) | Alg.: 6.0 Alg.: 9.0 Alg.: 2.0 Alg.: 2.0 Alg.: 2.0 Alg.: 1.0, 25.1 | |

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Chapter 10

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|----------------------------|---|------------------------------------|
| 17 days | 10.1 Add/Subtract Polynomials (1 day) | Alg. 10.0 |
| | 10.2 Multiply Polynomials (2 days) | Alg. 10.0 |
| | 10.3 Special Product of Polynomials (2 days) | Alg. 10.0 |
| | Quiz (1 day) | |
| | Divide Polynomials (1 day) | |
| | 10.4 Solve Polynomial Equations in Factored Form (1 day) | Alg. 10.0 Alg. 11.0, 14.0, 23.0 |
| | 10.5 Factor $x^2 + bx + c$, part 1 (2 days) | Alg. 11.0, 14.0 |
| | 10.6 Factor $ax^2 + bx + c$, part 2 (1 day) | Alg. 11.0, 14.0 |
| | Quiz (1 day) | |
| | 10.7 Factor Special Products (1 day) | Alg. 11.0, 14.0, 25.2 |
| | Factor Polynomials Completely (1 day) | Alg. 11.0, 14.0, 25.1 |
| | Float Day (1 day) | |
| Review/Assessment (2 days) | | |

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| 14 days | <p>Chapter 9</p> <p>9.1 Use Square Roots (1day) 9.4/ 9.5/ New Material Graph $y = ax^2 + c$ (1 day) $y = ax^2 + bx + c$ (2 days) $y = a(x - p)(x - q)$ (1 day)</p> <p>9.5 Solve Quadratic Equations by Graphing (1 day) Review/ Assessment (1 days)</p> <p>9.2 Use Radicals to Solve Quadratic Equations (1 day)</p> <p>12.5 Solve Quadratic Equations by Completing the square (1 day)</p> <p>9.6 Solve Quadratic Equations by Quadratic Formula (2 days)</p> <p>9.7 Interpret the Discriminant (1 day)</p> <p>Float Day (1 day) Review/ Assessment (2 days)</p> | <p>Alg. 21.0</p> <p>Alg. 21.0</p> <p>Alg. 23.0</p> <p>Alg. 14.0</p> <p>Alg. 19.0, 20.0</p> <p>Alg. 20.0, 22.0</p> | |
| 6 days | <p>Chapter 11</p> <p>11.1 Proportions (1 day) 11.2 Recognize Inverse Variation (part) (1 day) 11.3 Simplify Rational Expressions (1 day) 11.4 Multiply & Divide Rational Expressions (2 days) 11.5/11.6 Add & Subtract Rational Expressions (2 days)</p> <p>Float Day (1 day)</p> | <p>Alg. 15.0</p> <p>Alg. 12.0</p> <p>Alg. 13.0</p> <p>Alg. 13.0</p> | |

| Time | Topics: Content & Assessment | CA Standards | Textbook |
|------------------|------------------------------|--------------|----------|
| 43 teaching days | Fourth Quarter | | |

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|---------|--|-----------------------------------|--|
| 6 days | <p>Complete Chapter 11</p> <p>11.7 Solve Rational Equations & Solve Work Problems (2 days) Float Day (2 days) Review/Assessment (2 days)</p> | Alg. 13.0, 15.0 | |
| 9 days | <p>STAR Testing</p> <p>Review (4 days) STAR Testing (5 days)</p> | | |
| 15 days | <p>Chapter 12</p> <p>9.8 Graphing Quadratic Inequalities (2 days) 12.1 Radicals & Rational Exponents (1 day) 12.2 Radicals & Rational Exponents (1 day) 12.3 Radicals & Rational Exponents (1 day) Review/Quiz (1 day) 12.4 Use Cube Roots & Fractional Exponents (1 day) 12.6 Apply Pythagorean Theorem & Its Converse (2 days) 12.7 The Distance Formula (1 day) 12.8 The Midpoint Formula (1 day) 12.9 Properties of Real Numbers Logical Reasoning (1day) Float days (2 days) Review/ Assessment (2 days)</p> | <p>Alg. 14.0</p> <p>Alg. 25.1</p> | |
| 4 days | <p>Final</p> <p>Final Review (2 days) Final Exam (2 day)</p> | | |
| 9 days | <p>June</p> <p>Open (5 days) Promo Week (4 days)</p> | | |