

Byron Union School District (BUSD) 2009-10
Suggested Pacing Guide for Foundations of Algebra
Text: McDougal Littell Algebra Readiness

Time/ # of days	Topics: Content & Assessment	CA Content Standards
13	Unit 1: Integers	
1	Activity 4-1 Comparing Numbers Using a Number Line	A 2.0
1	Lesson 4-1 Absolute Value Compare and Order Numbers	NS 2.5, A 2.0
1	Activity 4-2 Investigating Integer Addition	NS 1.2
1	Lesson 4-2 Add Integers	NS 1.2
1	Activity 4-3 Investigating Integer Subtraction	NS 1.2
1	Lesson 4-3 Subtract Integers	NS 1.2
1	Activity 4-4 Investigate Integer Multiplication	NS 1.2
1	Lesson 4-4 Multiply Integers	NS 1.2
1	Lesson 4-5 Divide Integers	NS 1.2
2	Lesson 1-2 Order of Operations (Show $3(x+2)^2$)	NS 1.2, AF 1.2
1	Review	
1	Test	

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Time/ # of days	Topics: Content & Assessment	CA Content Standards
11	Unit 2: Fractions	
1	Lesson 2-1 Simplifying Fractions (Decomposition)	NS 1.2
1	Activity 2-2 Modeling Mixed Numbers & Improper Fractions	NS 1.2
1	Lesson 2-2 Mixed Numbers and Improper Fractions	NS 1.2
1	Lesson 2-3 Add and Subtract Fractions with the Same Denominator	NS 1.2
1	Activity 2-4 Fractions with Different Denominators	NS 1.2
1	Lesson 2-4 Add and Subtract Fractions with Different Denominators	NS 1.2
1	Activity 2-5 Modeling Fraction Multiplication	NS 1.2
1	Lesson 2-5 Multiply Fractions	NS 1.2
1	Dividing Fractions	NS 1.2
1	Review	
1	Test	

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Time/ # of days	Topics: Content & Assessment	CA Content Standards
16	Unit 3: Decimals and Percents	
1	Activity 3-1 Modeling Decimal Addition and Subtraction	NS 1.2
1	Lesson 3-1 Add and Subtract Decimals	NS 1.2
1	Activity 3-2 Modeling Decimal Multiplication	NS 1.2
1	Lesson 3-2 Multiply Decimals/Sales Tax	NS 1.2, 1.7
1	Lesson 3-3 Divide Decimals	NS 1.2
1	Lesson 3-4 Convert Between Fractions and Decimals	NS 1.3, 1.5
1	Activity 3-5 Percents, Decimals, and Fractions	NS 1.3
1	Lesson 3-5 Write Percents as Fractions and Decimals	NS 1.3
1	Lesson 3-6 Write Decimals and Fractions as Percents	NS 1.3
1	Activity 3-7 Finding a Percent of a Number	NS 1.3
1	Lesson 3-7 Find a Percent of a Number	NS 1.3
1	Lesson 1-3 Use Formulas	NS 1.2, AF 4.2
1	Supplement: Calculate percent of Increase and Decrease	NS 1.6
1	Supplement: Solve Problems Involving Discounts, Mark-Ups, Commission, and Interest	NS 1.7
2	Review and Test	

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Time/ # of days	Topics: Content & Assessment	CA Content Standards
10	Unit 4: Rational Numbers and their Properties	
1	Lesson 5-1 Compare and Order Rational Numbers	NS 1.5
1	Supplement: Differentiate Between Rational and Irrational Numbers	NS 1.4
1	Lesson 5-3 Properties of Addition	AF 1.3
1	Activity 5-5 Properties of Multiplication	AF 1.3
1	Lesson 5-5 Properties of Multiplication	AF 1.3
1	Activity 5-6 Modeling Distributive Property	AF 1.3
1	Lesson 5-6 Distributive Property/Combining Like Terms	AF 1.3
1	Lesson 1-5 Write and Evaluate Algebraic Expression Translating Variable Expressions and Equations	AF 1.4
1	Review	
1	Test	

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Time/ # of days	Topics: Content & Assessment	CA Content Standards
11	Unit 5: Geometry	
1	Supplement: Find Area and Perimeter of Common 2-Dimensional Shapes	MG 2.1
1	Supplement: Find Volume and Surface Area of Common 3-Dimensional Shapes	MG 2.1, AF 3.2
1	Supplement: Find Area of Complex Shapes	MG 2.2
2	Lesson 1-4 Convert From One Unit to Another	MG 1.1
2	Supplement: Construct and Read Drawings Made to Scale	MG 1.2
1	Supplement: Congruence of Figures	MG 3.4
1	Supplement: Identify Elements of 3-Dimensional Objects Including Skew Lines	MG 3.6
1	Review	
1	Test	

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Time/ # of days	Topics: Content & Assessment	CA Content Standards
11	Unit 6: Exponents	
1	Activity 6-1 Investigating Product of Powers	NS 2.1, A 2.0
1	Lesson 6-1 Multiply Powers with the Same Base	NS 2.1, A 2.0
1	Lesson 6-2 Divide Powers with the Same Base	NS 2.1, A 2.0
1	Activity 6-3 Zero and Negative Exponents	AF 2.1, NS 2.1
1	Lesson 6-3 Use Zero and Negative Exponents	AF 2.1, NS 2.1
1	Lesson 6-3 Scientific Notation	NS 1.1
1	Lesson 6-4 Simplifying Expressions Involving Exponents	NS 2.1
2	Supplement: Multiply and Divide Monomials	AF 2.2
1	Review	
1	Test	

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Time/ # of days	Topics: Content & Assessment	CA Content Standards
10	Unit 7: Square Roots and the Pythagorean Theorem	
1	Activity 7-1 Finding Side Lengths of Squares	A 2.0, NS 2.4
1	Lesson 7-1 Finding Square Roots of Perfect Squares	A 2.0, NS 2.4
1	Supplement: Review Rational and Irrational Numbers	NS 1.5
1	Lesson 7-2 Approximate Square Roots	A 2.0
1	Activity 7-3 Investigating Right Triangles	MG 3.3
1	Lesson 7-3 Use Pythagorean Theorem	MG 3.3
1	Activity 7-4 Investigating Sides and Angles of Triangles	MG 3.3
1	Lesson 7-4 Use the Converse of the Pythagorean Theorem	MG 3.3
1	Review	
1	Test	

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Time/ # of days	Topics: Content & Assessment	CA Content Standards
11	Unit 8: Equations in One Variable	
1	Activity 8-1 Equations Involving Addition or Subtraction	AF 4.1
1	Lesson 8-1 Solving Equations Involving Addition or Subtraction	AF 1.1, AF 4.1
1	Activity 8-2 Equations Involving Multiplication	AF 4.1
1	Lesson 8-2 Solving Equations Involving Multiplication and Division	AF 1.1, AF 4.1
1	Activity 8-3 Modeling Two-Step Equations	AF 4.1
1	Lesson 8-3 Solve Two-Step Equations	AF 4.1
2	Lesson 8-4 Solve Equations with Fractions and Decimals	AF 1.1, 4.1
1	Lesson 8-5 Solve Equations Using Distributive Property	A 4.0, 5.0
1	Review	
1	Test	

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Time/ # of days	Topics: Content & Assessment	CA Content Standards
7	Unit 9: Inequalities in One Variables	
1	Lesson 9-1 Write and Graph Simple Inequalities	AF 1.1
1	Lesson 9-2 Solve Inequalities Involving Addition or Subtraction	AF 1.1
1	Lesson 9-3 Solve Inequalities Involving Multiplication or Division	AF 1.1
2	Lesson 9-4 Solve Two-Step Inequalities	AF 1.1, 4.1
1	Review	
1	Test	

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Time/ # of days	Topics: Content & Assessment	CA Content Standards
13	Unit 10: Linear Equations in Two Variables	
1	Lesson 10-1 Graph in the Coordinate Plane	AF 3.3
1	Lesson 10-2 Graph Linear Equations in Standard Form	AF 3.3
1	Lesson 10-3 Graph Vertical and Horizontal Lines	AF 3.3
1	Lesson 10-4 Graph Using Intercepts	AF 3.3
2	Lesson 10-5 Find Slopes of Lines	AF 3.3
1	Lesson 10-6 Graph Equations in Slope-Intercept Form	AF 3.3
1	Lesson 10-7 Solve Direct Variation Problems – Graphing	AF 3.4, 4.2
1	Lesson 10-8 Solve Direct Variation Problems – Algebra	AF 3.4, 4.2
1	Graph Lesson – Using Calculators	
1	Supplement - Graph	AF 3.1
1	Review	
1	Test	

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6	Unit 11: Problem Solving	
1	Lesson 1-6 Use a Problem Solving Plan	AF 4.2, MR 2.5
1	Activity 8-6	AF 4.2
1	Lesson 8-6 Solve Rate Problems	AF 4.2
1	Supplement Interpreting Graphs	AF 1.5
1	Review	
1	Test	

Time/ # of days	Topics: Content & Assessment	CA Content Standards
9	Unit 12: Data and Graphs	
1	Supplement: Mean, Median, Mode, Range	SDAP 1.1
1	Supplement: Box Whisher with Quartiles	SDAP 1.1, 11.3
1	Scatter Plots and Stem and Leaf	SDAP 1.1, 1.2
1	Reading Graphs, Tables, etc.	SDAP 2.5
3	Probability	SDAP 3.1, 3.3, 3.5
1	Review	
1	Test	