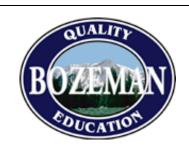
Bozeman Public Schools Curriculum Pacing Guide

Course: Algebra 1 Grade Level: High School



Time Frame	Unit & Essential Learnings	Standard	Resources	Assessments
7 days	The Language of Algebra Order of Operations, Variable & Exponents, Operations on Real Numbers, Power/Exponents, Square Roots, Classify Real Numbers, Intro to Functions, Simplify Expressions	N 1.0, N 5.0, A 1.0, A 2.0, G 1.0	Holt Algebra 1	2 Quizzes Test Vocab Pre Test
20 days	Equations Solving Equations (one step, multi step, variables on both sides), Rates Ratios, Proportions, Percents, Solving Literal Equations, Solving Absolute Value Equations	N 2.0, A 1.0, A 2.0, A 5.1, A 5.2, A 5.3, A 7.3, M 1.0, M 2.0	Holt Algebra 1	3 Quizzes, 2 Tests Writing Assessment
13 days	Inequalities Graphing & Writing Inequalities, Solving Inequalities Using Operation, Solving Using Multi Step, Compound Inequalities, Solving Absolute Value Inequalities	A 1.0, A 2.0, A 5.2, A 5.4, A 5.5	Holt Algebra 1	2 Quizzes, Test
13 days	<u>Functions</u>	A 2.0, aA 4.7, G	Holt Algebra 1,	2 Quizzes, Test

	Graphing Relationships, Relations and Functions, Writing & Graphing, Scatter Plots	2.0	4.2 Lab - Vertical Line Test	
17 days	Linear Functions Identifying Functions, Rate of Change, Slope, Direct Variation, Slope Intercept Form, Point Slope Form, Slopes of Parallel & Perpendicular Lines, Absolute Value Functions	N 4.0, A 2.0, A 5.7, A 6.1, A 6.2, A 6.3, A 6.4, A 6.5, A 6.6, A 6.7, A 6.8, G 3.0, G 4.0	Holt Algebra 1	2 Quizzes, Test
12 days	Systems of Linear Equations Solve by graphing, substitution, elimination, Classifying systems as consistent or inconsistent, Solve Systems of Inequalities	A 2.0, A 5.5, A 5.6, A 5.8, G 5.0, G 7.0	Holt Algebra 1	2 Quizzes, Test Vocab Post Assessment Semester 1 Final Exam
17 days	Exponents & Polynomials Integer Exponents, Powers of 10, Scientific Notation, Properties of Exponents, Operations on Polynomials, Special Products of Binomials	N 3.0, A2.0, A 4.0, A 4.1, A 4.2	Holt Algebra 1	2 Quizzes, Test Vocab Pre Assessment
15 days	Factoring Polynomials Greatest Common Factor, Prime Factorization, Factoring Polynomials, Special Factoring Rules	A 4.6	Holt Algebra 1	2 Quizzes, Test
17 days	Quadratics Identifying Quadratics, Characteristics of Quadratics, Graphing Quadratics, Transforming Quadratics, Solving by Factoring, Square Roots & Graphing, Completing the Square, Quadratic Formula, Discriminant	A 2.0, A 7.0, A 7.1, A 7.2, A 7.4, A 8.1, G 1.0, G 3.0, G 6.0, G 8.0	Holt Algebra 1	2 Quizzes, Test

12 days	Data Analysis & Probability	A 3.0, D 1.0, D 2.0,	Holt Algebra 1	2 Quizzes, Test
	Organize & Display Data, Frequency &	D 3.0, D 4.0		Writing Assessment
	Histograms, Data Distribution,			
	Misleading Graphs & Statistics,			
	Experimental/ Theoretical Probability,			
	Independent & Dependents Events,			
	Complements			
10 days	Exponential Functions	A 2.0, N 2.0, G 3.0	Holt Algebra 1	2 Quizzes, Test
	Identify Exponential Functions, Growth			
	& Decay, Radical Expressions,			
	Operations			
	(+,-,x,÷) on Radicals			
10 days	Rational Functions	A 2.0, A 4.3, A 4.4,	Holt Algebra 1	2 Quizzes, Test
	Simplify Rational Expressions,	A 4.5		Vocab Post Test
	Operations (+,-,x.÷) on Rationals, Divide			Semester 2 Final Exam
	Polynomials			