

Algebra 1 Lesson Correlation

Draft

CC Standard	Saxon	Algebra 1 Topic	On-Core	
N.RN.3	1	Classifying Real Numbers		
A.SSE.1	2	Understanding Variables and Expression		
	3	Simplifying Expressions Using the Product Property of Exponents		
	4	Using Order of Operations		
N.RN.3	5	Finding Absolute Value and Adding Real Numbers		
	6	Subtracting Real Numbers		
	7	Simplifying and Comparing Expressions with Symbols of Inclusion		
N.Q.1,2	8	Using Matrices to Organize Data and to Solve Problems		
	9	Evaluating and Comparing Algebraic Expressions		
	10	Adding and Subtracting Real Numbers		
S.MD.6	Lab 1	Generating Random Numbers		
S.MD.7	Inv 1	Determining the Probability of an Event		
	11	Multiplying and Dividing Real Numbers		
	12	Using the Properties of Real Numbers to Simplify Expressions		
	13	Calculating and Comparing Square Roots		
	14	Determining the Theoretical Probability of an Event		
	15	Using the Distributive Property to Simplify Expressions		
A.SSE.1	16	Simplifying and Evaluating Variable Expressions		
A.SSE.1	17	Translating Between Words and Algebraic Expressions		
	18	Combining Like Terms		
A.CED.1 A.REI.1,2,3	19	Solving One-Step Equations by Adding or Subtracting		
	20	Graphing on a Coordinate Plane		
	Inv 2	Graphing a Relationship		
A.REI.1,2,3	21	Solving One-Step Equations by Multiplying or Dividing		
N.Q.1-2 A.REI.1,2,3 S.IC.6	22	Analyzing and Comparing Statistical Graphs		
A.CED.1	23	Solving Two-Step Equations		
A.REI.1,2,3	24	Solving Decimal Equations		
A.CED.2 F.IF.1,2	25	Differentiating Between Relations and Functions		
A.CED.2 A.REI.1,2,3	26	Solving Multi-Step Equations		
N.Q.1-2 S.IC.6	27	Identifying Misleading Representations of Data		
A.REI.1,2,3	28	Solving Equations with Variables on Both Sides		
N.Q.1,2 A.SSE.1,4	29	Solving Literal Equations	2-5	
	Lab 2	Creating a Table		
F.IF.1,2,4,5,7	30	Graphing Functions		

S.IC.1,3,5	Inv 3	Analyzing the Effects of Bias in Sampling, Surveys, and Bar Graphs		
N.Q.1,2 A.REI.2,3	31	Using Rates, Ratios, and Proportions		
	32	Simplifying and Evaluating Expressions with Integer and Zero Exponents		
S.CP.1,2,3,5,6,8	33	Finding the Probability of Independent and Dependent Events		
F.IF.3 F.BF.2 F.LE.2	34	Recognizing and Extending Arithmetic Sequences	4-1	
F.IF.7 S.ID.7	35	Locating and Using Intercepts		
A.CED.3	36	Writing and Solving Proportions		
	37	Using Scientific Notation		
A.SSE.2	38	Simplifying Expressions Using the GCF		
	39	Using the Distributive Property to Simplify Rational Expressions		
	40	Simplifying and Evaluating Expressions Using the Power Property for Exponents		
	Inv 4	Using Deductive and Inductive Reasoning		
F.IF.6 F.LE.1,2 S.ID.7	41	Finding Rates of Change and Slope	5-2,6,7,8	
A.REI.2,3	42	Solving Percent Problems		
A.SSE.1,2	43	Simplifying Rational Expressions		
	44	Finding Slope Using the Slope Formula		
A.CED.1,3	45	Translating Between Words and Inequalities		
	46	Simplifying Expressions with Square Roots and Higher-Order Roots		
	47	Solving Problems Involving the Percent of Change		
S.ID.3 S.IC.6	48	Analyzing Measures of Central Tendency	9-2	
A.REI.10	Lab 3	Graphing Linear Functions		
	49	Writing Equations in Slope-Intercept Form		
	50	Graphing Inequalities		
	Inv 5	Using Logical Reasoning		
	51	Simplifying Rational Expressions with Like Denominators		
	52	Determining the Equation of a Line Given Two Points		
A.APR.1	53	Adding and Subtracting Polynomials		
S.ID.1	Lab 4	Drawing Box-and-Whisker Plots		
S.ID.1	54	Displaying Data in a Box-and-Whisker Plot		
	Lab 5	Calculating the Intersection of Two Lines		
A.REI.6	55	Solving Systems of Linear Equations by Graphing		
A.CED.3 A.REI.10	56	Identifying, Writing, and Graphing Direct Variation		
	57	Finding the Least Common Multiple		
A.APR.1	58	Multiplying Polynomials		
A.CED.2 A.REI.5,6,11	59	Solving Systems of Linear Equations by Substitution		

	60	Finding Special Products of Binomials		
	Inv 6	Transforming Linear Functions		
	61	Simplifying Radical Expressions		
S.ID.1	Lab 6	Drawing Histograms		
S.ID.1	62	Displaying Data in Stem-and-Leaf Plots and Histograms		
A.CED.2 A.REI.5,6,11	63	Solving Systems of Linear Equations by Elimination		
A.CED.3 A.REI.10	64	Identifying, Writing, and Graphing Inverse Variation		
A.CED.3 A.REI.10 G.GPE.1	65	Writing Equations of Parallel and Perpendicular Lines		
A.CED.1	66	Solving Inequalities by Adding or Subtracting		
A.CED.2,6 A.REI.11	67	Solving and Classifying Special Systems of Linear Equations		
	68	Mutually Exclusive and Inclusive Events		
	69	Adding and Subtracting Radical Expressions		
	70	Solving Inequalities by Multiplying or Dividing		
	Inv 7	Direct and Inverse Variation		
S.ID.6,7	Lab 7	Finding the Line of Best Fit		
S.ID.1,6,7,8	71	Making and Analyzing Scatter Plots	4-9,10	
	72	Factoring Trinomials: $x^2 + bx + c$		
	73	Solving Compound Inequalities		
	74	Solving Absolute-Value Equations		
	75	Factoring Trinomials: $ax^2 + bx + c$		
	76	Multiplying Radical Expressions		
	77	Solving Two-Step and Multi-Step Inequalities		
A.REI.10 F.IF.7	78	Graphing Rational Functions	1-5,6	
A.SSE.2	79	Factoring Trinomials by Using the GCF		
S.ID.5	80	Calculating Frequency Distributions	9-5	
	Inv 8	Identifying and Writing Joint Variation		
	81	Solving Inequalities with Variables on Both Sides		
	82	Solving Multi-Step Compound Inequalities		
	83	Factoring Special Products		
	84	Identifying Quadratic Functions		
	85	Solving Problems Using the Pythagorean Theorem		
G.GEP.6	86	Calculating the Midpoint and Length of a Segment		
A.SSE.2	87	Factoring Polynomials by Grouping		
	88	Multiplying and Dividing Rational Expressions		

A.REI.10	Lab 8	Characteristics of Parabolas		
A.SSE.3 A.APR.3 F.IF.8	89	Identifying Characteristics of Quadratic Functions	8-2,3,4,5,8,10	
	90	Adding and Subtracting Rational Expressions		
	Inv 9	Choosing a Factoring Method		
	91	Solving Absolute-Value Inequalities		
A.SSE.2	92	Simplifying Complex Fractions		
A.APR.6,7	93	Dividing Polynomials		
	94	Solving Multi-Step Absolute-Value Equations		
	95	Combining Rational Expressions with Unlike Denominators		
A.SSE.3 A.APR.3 A.REI.10	96	Graphing Quadratic Functions	8-2,3,4,5,10	
A.REI.12	Lab 9	Graphing Linear Inequalities		
A.REI.12	97	Graphing Linear Inequalities	2-6 3-5,6	
A.REI.4	98	Solving Quadratic Equations by Factoring		
A.REI.2,3	99	Solving Rational Equations		
A.REI.10	100	Solving Quadratic Equations by Graphing		
A.REI.10	Inv 10	Transforming Quadratic Functions		

