

Algebra 1 Syllabus

Section	Topic	Done	AL COS	Quality Core
Kuta Pre-Algebra	Add/Subtract integers		7-4	A.1.a.
Kuta Pre-Algebra	Multiply/Divide integers		7-5	A.1.a.
Teacher made	Order of operations		6-13c	A.1.a.
1-1	Variables and Expressions		A1.7	B.1.c., C.1.b.
1-2	Solving Equations by Adding or Subtracting		A1.16	D.1.a.
1-3	Solving Equations by Multiplying or Dividing		A1.16	D.1.a.
1-4	Solving Two-Step and Multi-Step Equations		A1.16	D.1.a.
1-5	Solving Equations with Variables on Both Sides		A1.16	D.1.a.
	Review and Test			
1-6	Solving for a Variable		A1.15	D.1.c.
1-7	Solving Absolute-Value Equations		A1.12	D.1.b.
1-8	Rates, Ratios, and Proportions		A1.4	D.1.a.
1-9	Applications of Proportions		A1.4	B.1.a., B.1.c., D.1.a.
	Review and Test			
2-1	Graphing and Writing Inequalities		A1.17	D.1.a.
2-2	Solving Inequalities by Adding or Subtracting		A1.17	D.1.a.
2-3	Solving Inequalities by Multiplying or Dividing		A1.17	D.1.a.
2-4	Solving Two-Step and Multi-Step Inequalities		A1.17	D.1.a.
2-5	Solving Inequalities with Variables on Both Sides		A1.17	D.1.a.
	Review and Test			
2-6	Solving Compound Inequalities		A1.17	D.1.a.

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Section	Topic	Done	AL COS	Quality Core
2-7	Solving Absolute-Value Inequalities		A1.17	D.1.a., D.1.b.
	Review and Test			
3-1	Graphing Relationships		A1.28	D.1.d., D.2.c.
3-2	Relations and Functions		A1.25	D.2.b., D.2.c., D.2.d.
3-3	Writing Functions		A1.26	D.2.c., D.2.f., D.2.i.
3-4	Graphing Functions		A1.29	D.2.b., D.2.c., D.2.h., D.2.i.
	Review and Test			
3-5	Scatter Plots and Trend Lines – includes activity day		A1.45	G.1.b.
3-6	Arithmetic Sequences		A1.27	G.1.c.
	Review and Test			
4-1	Identifying Linear Functions		A1.22	D.2.h., D.2.i.
4-2	Using Intercepts		A1.31	D.2.f., D.2.h., D.2.i.
4-3	Rate of Change and Slope		A1.30	D.2.g.
4-4	The Slope Formula		A1.30	D.2.g.
	Review and Test			
4-5	Direct Variation		A1.13	D.1.f.
4-6	Slope-Intercept Form		A1.13	D.1.e., D.2.h.
4-7	Point-Slope Form		A1.13	D.1.e., D.2.h.
4-8	Line of Best Fit		A1.45	G.1.g.
	Review and Test			
4-9	Slopes of Parallel and Perpendicular Lines		A1.13	
4-10	Transforming Linear Functions		A1.36	
4-10 Ext	Absolute-Value Functions		A1.31b	
	Review and Test			
5-1	Solving Systems by Graphing		A1.20	D.1.g.
5-2	Solving Systems by Substitution		A1.20	D.1.g.

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5-3	Solving systems by Elimination		A1.20	D.1.g.
	Review and Test			
5-4	Solving Special Systems		A1.20	D.1.g.
5-5	Solving Linear Inequalities		A1.24	D.2.e.
5-6	Solving Systems of Linear Inequalities		A1.24	D.2.e.
	Review and Test			
6-1	Integer Exponents		A1.1	F.1.a., F.1.b.
6-2	Rational Exponents		A1.1	F.1.a., F.1.b.
6-3	Polynomials		A1.7a	C.1.d.
6-4	Adding and Subtracting Polynomials		A1.10	C.1.d.
	Review and Test			
6-5	Multiplying Polynomials		A1.10	C.1.f.
6-6	Special Products of Binomials		A1.10	C.1.f.
	Review and Test			
7-1	Factors and Greatest Common Factors		A1.8	A.1.b.
7-2	Factoring by GCF		A1.8	C.1.e.
7-3	Factoring $x^2 + bx + c$		A1.8	E.1.b.
7-4	Factoring $ax^2 + bx + c$		A1.8	E.1.b.
	Review and Test			
7-5	Factoring Special Products		A1.8	E.1.a.
7-6	Choosing a Factoring Method		A1.8	E.1.c.
8-1	Identifying Quadratic Functions		A1.31	E.2.a.
	Review and Test			
8-2	Characteristics of Quadratic Functions		A1.31	E.2.a.
8-3	Graphing Quadratic Functions		A1.31	E.2.a.
8-4	Transforming Quadratic Functions		A1.36	E.2.a.
	Review and Test			
8-5	Solving Quadratic Equations by Graphing		A1.23	E.2.b.

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Section	Topic	Done	AL COS	Quality Core
8-6	Solving Quadratic Equations by Factoring		A1.18b	E.1.c., E.2.b.
8-7	Solving Quadratic Equations by Using Square Roots		A1.18b	E.1.c., E.2.b.
	Review and Test			
8-8	Completing the Square		A1.18a	E.1.c.
8-9	Quadratic Formula and the Discriminant		A1.18b	E.1.c.
	Review and Test			
10-1	Organizing and displaying Data		A1.41	G.1.b.
10-2	Frequency and Histograms		A1.41	G.1.b.
	Review and Test			
10-3	Data Distributions		A1.42	G.1.a.
10-3 Ext	Dot Plots and Distributions		A1.43	G.1.a., G.1.b.
10-4	Misleading Graphs and Statistics		A1.41	G.1.b.
	Review and Test			