

Algebra I Part 1 Timeline & Content Outline

08/09

Quarter	SOL #	Standard	Suggested Timeline
1 (43 Days)	Middle School SOL's	Rational Number Operations A. Integers B. Fractions C. Decimals	4 Blocks or 8 Days
	A.2	Variables and Expressions A. Translate Verbal Expressions B. Order of Operations C. Evaluate Algebraic Expressions	8 Blocks or 16 Days
	A.3 & A.4	Properties of Real Numbers and Matrices A. Properties of Real Numbers B. Justifications of Steps in Simplifying Expressions C. Matrices	8 Blocks or 16 Days
	1st Quarter SOLs	DBA Review and Testing	2 Blocks or 3 Days
	Total		

Quarter	SOL #	Standard	Suggested Timeline
2 (44 Days)	A.1 & A.3	Solving Linear Equations – Part 1 A. Translate Verbal Sentences B. One-Step Equations C. Multi-Step Equations D. Properties of Equality	9 Blocks or 18 Days
	A.1	Solving Linear Equations – Part 2 A. Ratios and Proportions B. Literal Equations and Formulas C. Problem Solving	6 Blocks or 12 Days
	A.5 & A.15	Relations and Functions A. Analyzing Data for Patterns B. Determining Functional Relationships	4 Blocks or 8 Days
	2 nd Quarter SOLs	DBA and Exam Review and Testing	3 Blocks or 6 Days
	Total		

Quarter	SOL #	Standard	Suggested Timeline
3 (47 Days)	A.7	Slope A. Calculate Slope given 2 points B. Determine Slope of a Line C. Determine Slope using a Linear Equation D. D. Recognize Different types of Slope	7 Blocks or 14 Days
	A.6	Graph Linear Equations A. Use a Table of Values B. Slope-Intercept C. Transformations	7 Blocks or 14 Days
	A.18	Direct Variation A. Using a Table of Values B. Write Equations of Direct Variation C. Problem Solving	7 Blocks or 14 Days
	3rd Quarter SOLs	DBA Review and Testing	2 Blocks or 4 Days
	Total		

Quarter	SOL #	Standard	Suggested Timeline
4 (45 Days)	A.8	Equations of Lines – Part 1 A. Point Slope Form B. Slope-Intercept Form	7 Blocks or 14 Days
	A.8 & A.16	Equations of Lines – Part 2 A. Standard Form B. Line of Best Fit	7 Blocks or 14 Days
	A.1 & A.6	Linear Inequalities A. Solving Multistep Inequalities B. Graphing Inequalities and Solution Sets C. Graphing Inequalities in 2 Variables	6 Blocks or 12 Days
	All Alg I Part 1 SOLs	Exam Review and Testing	3 Blocks or 5 Days
	Total		

Algebra I Part 2 Timeline & Content Outline

08/09

Quarter	SOL #	Standard	Suggested Timeline
1 (43 Days)	Alg Part 1 SOL's	Review A. Solving Equations B. Solving Inequalities	8 Blocks or 16 Days
	A.10	Powers and Exponents A. Laws of Exponents B. Scientific Notation	7 Blocks or 14 Days
	A.13	Radicals A. Estimate Value of Square Root B. Simplify Radicals	5 Blocks or 10 Days
	1st Quarter SOLs	DBA Review and Testing	2 Blocks or 3 Days
	Total		

Quarter	SOL #	Standard	Suggested Timeline
2 (44 Days)	A.11	Polynomials A. Identifying B. Polynomial Operations	7 Blocks or 13 Days
	A.12	Factoring – Part 1 A. Factors and GCF B. Factoring Trinomials w/ leading coefficient of 1	7 Blocks or 13 Days
	A.12	Factoring – Part 2 A. Factoring Trinomials w/ leading coefficient greater than 1 B. Factoring Binomials	7 Blocks or 13 Days
	2 nd Quarter SOLs	DBA and Exam Review and Testing	3 Blocks or 5 Days
			Total

Quarter	SOL #	Standard	Suggested Timeline
3 (47 Days)	A.14 & A. 15	Quadratic Equations – Part 1 A. Solve Quadratic Equations Algebraically B. Identify Zeroes Algebraically	9 Blocks or 18 Days
	A.14 & A.15	Quadratic Equations – Part 2 A. Solve Quadratic Equations Graphically B. Identify Zeroes Graphically	8 Blocks or 16 Days
	A.17	Statistical Methods A. Measures of Central Tendency B. Range C. Stem and Leaf Plots D. Box and Whisker Plots	5 Blocks or 9 Days
	3rd Quarter SOLs	DBA Review and Testing	2 Blocks or 4 Days
			Total

Quarter	SOL #	Standard	Suggested Timeline
4 (45 Days)	Alg I Part 1 SOLs	Review A.Slope B.Graphing Linear Equations C.Graphing Linear Inequalities	5 Blocks or 10 Days
	A.9	Systems of Equations A.Solve linear systems Graphically B.Solve Linear Systems Algebraically	6 Blocks or 12 Days
	All Algebra I SOLS	SOL Review	6 Blocks or 12 Days
		Enrichment/Exam Review A. Graphing Systems of Linear Inequalities B. Rational Expressions	6 Blocks or 11 Days
			Total