Algebra IA Timeline

Quarter	SOL #	Standard	Timeline

1	**A.2**	**Variables & Expressions**
		  A. Translate Verbal Expressions
		  B. Order of Operations
		  C. Evaluate Algebraic Expressions
			4 blocks or 8 days

	A.3 & A.4	**Real Numbers & Matrices**
		  A. Properties of Real Numbers
		  B. Operations with Real Numbers
		  C. Justification of Steps in Simplifying Expressions
		  D. Matrices
			5 blocks or 10 days

	A.1	**Solving Linear Equations**
		  A. One-step
		  B. Multi-step
		  C. Properties of Equality
			7 blocks or 12 days

	A.1	**Solving Linear Eqs.–Unit 2**
		  A. Ratios & Proportions
		  B. Literal Equations & Formulas
		  C. Problem Solving
			5 blocks or 10 days

	1st Quarter SOLs	**DBA Review & Testing**	**2 blocks Or 3 days**
		Total	**9 wks.**

2	**A.5 & A.15**	**Relations & Functions**
		  A. Analyzing Data for Patterns
		  B. Determining Functional Relationships
			2 blocks Or 4 days

	A.6, A.7, & A.18	**Graphing Linear Functions**
		  A. Slope Intercept
		  B. Direct variation
		  C. X & Y Intercepts
		  D. Transformations
		  E. Graphing
			6 blocks or 12 days

	A.8 & A.16	**Equations of Lines**
		  A. Point Slope Form
		  B. Slope-Intercept Form
		  C. Standard Form
		  D. Line of Best Fit
			7 blocks or 14 days

	A.1 & A.6	**Linear Inequalities**
		  A. Solving Multi-Step Inequalities
		  B. Graphing Inequalities & Solution Sets
		  C. Graphing Inequalities in Two Variables
			5 blocks or 10 days

	2nd Quarter SOLs	**EXAM Review & Testing**	**2 blocks Or 4 days**
		Total	**9 wks.**

Algebra I B Timeline

Quarter	SOL	Unit and Topics	Timeline
3	**A.10, 13**	**Powers, Exponents and Radicals** A. Laws of exponents B. Scientific notation C. Square roots	**6 blocks/ 12 days**
	A.11	**Polynomials** A. Polynomial operations	**7 blocks/ 13 days**
	A.12	**Factoring** A. Factors and GCF B. Factoring Trinomials C. Factoring Binomials	**7 blocks/ 13 days**
	A.14, 15	**Begin:** **Quadratic Equations, Functional Relationships** A. Solve quadratics equations algebraically B. Identify zeros algebraically	**3 blocks/ 6 days**
		DBA Review & Testing	**2 blocks/ 3 days**
		Total	**9 wks.**
4	**A.14, 15**	**Continue:** **Quadratics Equations, Functional Relationships** A. Solve quadratic equations graphically B. Identify zeros graphically C. Determine domain and range	**5 blocks/ 10 days**
	A.17	**Statistical Methods** A. Measures of Central Tendency B. Range C. Stem and leaf plots D. Box and whisker plots	**4 blocks/ 8 days**
	A.9	**Systems of Equations and Inequalities** A. Solve linear systems graphically B. Solve linear systems algebraically	**4 blocks/ 8 days**
		SOL Review & Testing * SOL review should be done as part of instruction throughout the quarter.	**4 blocks/ 8 days**
		Enrichment/ Exam review A. Rational Expressions B. Graph systems of linear inequalities	**4 blocks/8 days**
		Total	**9 wks.**