

Algebra I Part I Curriculum Map

Standards	Content	Skills/Practices	Materials/ Resources	Assessments (All) Daily/Weekly/ Benchmarks	Timeline (Months/Weeks /Days)
A-REI A-APR A-CED	Order of operations, combining like terms, distributive property, solving linear equations and inequalities. Solving systems of equations algebraically and graphically as well as linear system word problems	Note taking Independent practice Guided practice Collaborative group work	Teacher created worksheets, Graphic organizers	Quizzes Tests Observation Homework Projects	September/ October/ 10 weeks
A-REI A-APR A-CED F-IF A-SSE A-APR	Cartesian coordinate system, graphing lines using slope and y-intercept, writing equations of lines, graphing systems of inequalities,	Graphing skills. Note taking Independent practice Guided practice	Teacher created worksheets	Quizzes Tests Observation Homework Projects	November/ December 6weeks
A-APR A-SSE	Polynomials - add, subtract, multiply and divide	Note taking Independent practice	Teacher created worksheets	Quizzes Tests Observation	Dec / January 4 weeks

		Guided practice		Homework Projects	
A-SSE	Factoring- Quadratic trinomials, grouping, gcf, difference of two perfect squares Factoring completely	Note taking Independent practice Guided practice Pair share	Teacher created worksheets	Quizzes Tests Observation Homework Projects	February 4 weeks
A-REI N-RN F-IF	Zero product rule Simplifying radical expressions Solving quadratic equations, the quadratic formula And graphing quadratic functions. Applications of quadratic functions. Word problems and their graphs. Parabolas.	Note taking Independent practice Guided practice Collaborative learning.	Teacher created worksheets	Quizzes Tests Observation Homework Projects	March / April 6 weeks
F-IF.7F.BF.3 F.LE.1 F.LE.2 F.LE.5	Graphing absolute value, square root functions and cube root functions. Optional extension may include	Independent and guided practice Graphing skills Compare and contrast, Pair Share	Graphing Calculators Graph paper Notebooks Rulers	Quizzes Tests Observation Homework Projects	April/May 5 weeks

	comparing pictorially to 2nd, 3rd and 4th degree functions.				
F.LE.1 F.LE.2 F.LE.5 S.ID.1 S.ID.3 S.ID.6	Square root, cube root functions continued. Transformations Piecewise functions, calculator use, statistics	Independent and guided practice, collaborative group work, sharing graphing skills, compare and contrast	Graphing Calculators Graph paper Notebooks Rulers	Quizzes Tests Observation Homework Projects -(if time allows)	May/June 5 weeks