

Algebra 2 Pacing

	August/September Month 1				October Month 2				November Month 3				December Month 4				January Month 5				February Month 6				March Month 7				April Month 8				May Month 9				June Month 10		
Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Chapter	Analyzing Equations and Inequalities				Graphing Linear Relations and Functions				Midterm	Solving Systems of Linear Equations and Inequalities				Quadratic Functions and Inequalities (Holiday Break weeks 16-17)						Final	Exploring Polynomials and Radical Expressions				Exploring Polynomial Functions				Spring Break	SAT	Exploring Exponential and Logarithmic Functions				Exploring Rational Expressions				Extended time (snow day buffer) Final Exams
Topics	<ul style="list-style-type: none">• Expressions and Formulas,• Properties of Real Numbers,• Solving Equations,• Solving Absolute Value Equations,• Solving Inequalities,• Solving Absolute Value Inequalities				<ul style="list-style-type: none">• Relations and Functions,• Linear Equations,• Slope,• Writing Linear Equations,• Writing Linear Equations,• Linear Inequalities• Absolute Value Functions• Step Function• Piece-Wise Functions					<ul style="list-style-type: none">• Graphing Systems of Equations, Solving Systems of Equations Algebraically,• Cramer’s Rule, Graphing Systems of Inequalities,• Linear Programming,• Applications of Linear Programming, Solving Systems of Equations in Three Variables				<ul style="list-style-type: none">• Solving Quadratic Equations by Graphing and describing defining characteristics of parabolas.• Solving Quadratic Equations by Factoring (all forms of factoring)• Quadratic Formula and the Discriminant• Analyzing Graphs of Quadratic Functions• Graphing and Solving Quadratic Inequalities• Solving by completing the square• Complex Imaginary Numbers							<ul style="list-style-type: none">• Monomials• Polynomials• Dividing Polynomials• Factoring (includes• Radical Expressions• Rational Exponents• Solving Radical Equations and Inequalities				<ul style="list-style-type: none">• Polynomial Functions• The Remainder and Factor Theorems• Graphing Polynomial Functions• Approximating Zeros, Roots and Zeros• Rational Zero Theorem• Using Quadratic Techniques to Solve Polynomial Functions• Composition of Functions• Inverse Functions and Relations						<ul style="list-style-type: none">• Real Exponents and Exponential Functions• Logarithms and Logarithmic Functions• Properties of Logarithms• Common Logarithms• Natural Logarithms• Solving Exponential Equations, Growth and Decay				<ul style="list-style-type: none">• Graphing Rational Functions• Direct, Inverse, and Joint Variation• Multiplying and Dividing Rational Expressions• Adding and Subtracting Rational Expressions• Solving Rational Equations and Inequalities				