



HIGH SCHOOL

ALGEBRA II YEAR AT A GLANCE

MRS. ROSAS

TOPICS COVERED	DATES	TEKS
Functions & Linear Systems • Function notation and transformations • Parent functions • Domain and range • Absolute value functions • Piecewise functions • Linear equations and inequalities • Systems of linear equations and inequalities • Matrices (intro)	AUGUST 12 - SEPTEMBER 24	A.2A–A.2H A.3A–A.3D
Quadratic Functions • Graphing quadratics • Vertex, intercept, and standard forms • Completing the square • Quadratic formula • Discriminant • Complex numbers • Quadratic inequalities	SEPTEMBER 28 - NOVEMBER 6	A.4A–A.4F
Polynomial & Radical Functions • Polynomial operations • Factoring higher-degree polynomials • Polynomial equations • Remainder and Factor Theorems • Rational Root Theorem • Graphing polynomial functions • Radical expressions and equations	NOVEMBER 9 - DECEMBER 18	A.5A–A.5G
Rational & Exponential Functions • Rational expressions • Rational equations • Rational functions and asymptotes • Exponential growth and decay	JANUARY 5 - FEBRUARY 12	A.6A–A.6F

• Compound interest • Financial applications		
Logarithmic & Trigonometric Functions • Logarithms and properties • Solving exponential and logarithmic equations • Inverse functions • Unit circle review • Trigonometric functions • Graphing sine and cosine • Applications of trigonometry	FEBRUARY 15 - APRIL 2	A.7A–A.7E
Probability, Statistics & Modeling • Probability rules • Permutations and combinations • Binomial distributions • Data analysis • Regression models • Function modeling • Comprehensive Algebra II review and projects	APRIL 5 - MAY 19	A.8A–A.8F