Utah Core Suggested Pacing Guide: Algebra 2

Mid-year

Standard I: Use Language of Algebra to Analyze and Solve Problems.	Obj. 1	*Evaluate, analyze, and solve mathematical situations using algebraic properties/symbols.*	Absolute value equations. compound and absolute value inequalities. · Radical expressions/equations · Rational expressions/equations.
	Obj. 2		Solve systems of equations and inequalities.
	Obj. 3		Represent and compute with complex numbers ($a + bi$). · Simplify expressions with rational exponents.
	Obj. 4		Model and solve quadratic equations and inequalities.
Standard II: Represent and Analyze Functions.	Obj. 1	*Represent situations using relations.*	Function notation, domain and range.
	Obj. 2	*Evaluate & analyze functions.*	Find the value of a function for a given value. · Combine and compose functions. Find/analyze inverses of functions.
	Obj. 3		Define and graph exponential functions and use them as models for problem solving.
	Obj. 4		Define and graph logarithmic functions and use them as models for problem solving.
Standard III: Spatial and Logical Reasoning.	Obj. 1	*Examine behavior of functions using coordinate geometry.*	Absolute value functions · Quadratic functions · Radical functions · Sine and cosine functions
	Obj. 2		Determine degree and radian measures for angles
	Obj. 3		Determine trigonometric measurements using appropriate methods.
Std IV: Probability Statistics.	Obj. 1		Apply basic concepts of probability. · Probability Extensions
	Obj. 2		Use percentiles and measures of variability to analyze data. · Statistics Extensions