



**General Information**

**Course** *Pre-AP Algebra II* **Grade** 10th or 11th Grade  
**Stakeholders** School staff members, students, families, and community members

**Vocabulary by Unit**

Unit Name	Introduction to Algebra II	Linear Equations	Relations and Functions	Quadratic Functions	
<b>Pacing</b>	8 Days	19 Days	15 Days	14 Days	
<b>Vocab</b>	Relation	Open Sentence	One-to-One function	Quadratic Term	
	Domain	Equation	Onto Function	Linear Term	
	Range	Solution	Discrete Relation	Constant Tern	
	Cartesian Coordinate Plane	Set-Builder Notation	Continuous Relation	Vertex	
	Quadrants	Rate of Change	Vertical Line Test	Maximum Value	
	Mapping	Slope	Independent Variable	Minimum Value	
	Table	Slope-Intercept Form	Dependent Variable	Quadratic Equation	
	Input	Point-Slope Form	Function Notation	Standard Form	
	Output	Parallel Lines	Linear Function	Root	
	Function	Perpendicular Lines	End Behavior	Zero	
	Distributive Property	Linear Inequality	Relative Maximum	Imaginary Unit	
	FOIL	Boundary	Turning Point	Pure Imaginary Number	
	Perfect Square Trinomials	Constrait	Piecewise Defined Function	Complex Number	
	Difference of Squares	Break-Even Point	Piecewise Linear Function	Complex Conjugates	
	Factor	System of Equations	Step Function	Factored Form	
	Factoring	Substitution Method	Greatest Integer Function	FOIL Method	
	Pythagorean Theorem	Elimination Method	Absolute Value Function	Quadratic Formula	
		System of Inequalites	Parent Function	Discriminant	
		Linear Programming	Transformations	Quadratic Inequality	
		Feasible Region	Line of Reflection	Square Root Property	
		Bounded	Dilation	Prime	
		Optimize	X-Intercept	Quadratic Formula	
		Ordered Triple	Y-Intercept		
		Standard Form	Reflection		
		General Form			
		Linear Equation			
		<b>Inverses and Radical Functions</b>	<b>Exponential and Logarithmic Functions</b>	<b>Rational Functions</b>	<b>Statistics and Probability</b>
		15 Days	21 Days	12 Days	15 Days
		Composition of Functions	Exponential Growth	Rational Expression	Statistic
		Inverse Relation	Exponential Decay	Complex Fraction	Parameter
		Inverse Function	Exponential Function	Reciprocal Fraction	Survey
		Square Root Function	Asymptote	Hyperbola	Observational Study
	Radical Function	Growth Factor	Rational Functions	Random Sample	
	Cube Root Function	Decay Factor	Vertical Asymptote	Bias	
	Inflection Point	Expontieal Equation	Horizontal Asymptote	Experiment	
	Radical Equation	Compound Interest	Oblique Asymptote	Simulation	

Extraneous Solution	Exponential Inequality	Point Discontinuity	Probability Model
Radical Inequality	Geometric Mean	Direct Variation	Theoretically Probability
Identity Function	Geometric Series	Constant of Variation	Experimental Probability
	Geometric Sequence	Joint Variation	Relative Frequency
	Logarithm	Inverse Variation	Margin of Error
	Logarithmic Function	Combined Variation	Distribution
	Regression Line	Rational Equation	Normal Distribution
	Correlation Coefficient	Weighted Average	Z-Value
	Common Logarithm	Rational Inequality	Standard Normal Distribution
	Change of Base Formula		
	Natural Base E		
	Natural Logarithm		
	Logarithmic Equation		
	Logarithmic Inequality		
	Rate of Continuous Growth		
	Rate of Continuous Decay		
	Logistic Growth Model		

<b>Polynomials and Polynomial Functions</b>
19 Days
Simplify
Degree of a Polynomial
Pascal's Triangle
Synthetic Division
Location Principle
Relative Minimum (Minima)
Relative Maximum (Maxima)
Extrema
Turning Points
Prime Polynomials
Polynomial Identity
Synthetic Substitution
Depressed Polynomial
Binomial Theorem
Power Function
Monomial Function
Polynomial
Polynomial Function
Leading Coefficient
Standard Form
<b>Other Matrices</b>
Matrix
Equal Matrices
Scalar Multiplication
Scalar Multiplication
Determinant
Cramer's Rule
Identity Matrix
Inverse Matrix

