

Essential Standards and Learning Targets					
Grade Level/Content Team:	Algebra 2	School	Tanque Verde High School		
Essential Standard 1	Linear Equations	CFA		A2.A.CED	Create equations and inequalities in one variable and use them to solve problems. Include problem-solving opportunities utilizing real-world context. Focus on equations and inequalities arising from linear, quadratic, rational, and exponential functions
Assessed Learning Target 1	Solving Linear Equations	<input checked="" type="checkbox"/>			
Assessed Learning Target 2	Solving Systems of Linear Equations	<input checked="" type="checkbox"/>			
Essential Standard 2	Relations and Functions	CFA		A2.F-IF.B.4	For a function that models a relationship between two quantities, interpret key features of graphs and tables in terms of the quantities, and sketch graphs showing key features given a verbal description of the relationship. Include problem-solving opportunities utilizing a real-world context. Key features include: intercepts; intervals where the function is increasing, decreasing, positive, or negative; relative maximums and minimums; symmetries; end behavior; and periodicity. Functions include linear, quadratic, exponential, polynomial, logarithmic, rational, sine, cosine, tangent, square root, cube root and piecewise-defined functions.
Assessed Learning Target 1	Sketching a graph of a function based on key traits: extrema, end behavior, intercepts, zeros, positive and negative outputs.	<input checked="" type="checkbox"/>			
Assessed Learning Target 2		<input type="checkbox"/>			
Essential Standard 3	Quadratic Functions	CFA			
Assessed Learning Target 1	Perform arithmetic operations with complex numbers.	<input type="checkbox"/>		A2.N-CN.A.1	Apply the relation $i^2 = -1$ and the commutative, associative, and distributive properties to add, subtract, and multiply complex numbers. Write complex numbers in the form $(a+bi)$ with a and b real.
Assessed Learning Target 2		<input type="checkbox"/>			
Essential Standard 4	Polynomial Functions	CFA		A.APR.6	Rewrite simple rational expressions in different forms by using long division & synthetic division.
Assessed Learning Target 1	Simplifying polynomials by adding, subtracting and multiplying and combining of like terms.	<input checked="" type="checkbox"/>			
Assessed Learning Target 2		<input type="checkbox"/>			

Essential Standard 5	Radical and Inverse Functions	CFA		
Assessed Learning Target 1	Function operations and compositions of functions.	<input checked="" type="checkbox"/>	A.APR.7	Simplify & multiply/divide rational expressions.
Assessed Learning Target 2		<input type="checkbox"/>		
Essential Standard 6	Exponential and Logarithmic Functions	CFA	A.SSE.2	Use properties of logarithmic functions, expand or condense the logarithmic expression.
Assessed Learning Target 1	Using properties of logarithmic functions, expand or condense the logarithmic expression.	<input checked="" type="checkbox"/>		
Assessed Learning Target 2	Solve exponential and logarithmic functions.	<input type="checkbox"/>	A.APR.7	Simplify & multiply/divide rational expressions.
Essential Standard 7	Rational Functions	CFA		
Assessed Learning Target 1	Simplify & multiply/divide rational expressions using common denominators.	<input checked="" type="checkbox"/>		
Assessed Learning Target 2		<input type="checkbox"/>		
Essential Standard 8	Probability & Statistics	CFA		
Assessed Learning Target 1	Evaluating & classifying statistical studies.	<input type="checkbox"/>		
Assessed Learning Target 2		<input type="checkbox"/>		