Honors Algebra II		
Standards	**Fall Semester**	
Common Core	Topics Covered	Number of Days
F.IF.8	Observing patterns (1.1.1) including functions	2
A.SSE.1b	Generating Algebraic Expressions (1.1.2) showing equivalency	3
A.CED.1		
F.IF.4		
F.IF.8		
F.BF.1a		
A.SSE.1b	Comparing Multiple Representations of Functions(1.1.3) use the given functions	3
A.CED.1	to predict future values	
F.IF.8		
F.IF.9		
A.SSE.1a	Forms of Quadratic Functions(1.1.4) write quadrtic equations given 3 points	3
A.SSE.2		
A.APR.1		
A.CED.1		
A.CED.2		
F.IF.4		
F.IF.9		
F.BF.1a		
A.REI.4	Solving Quadratic Equations(1.1.5) solve for multiple variables in quadradic	3
A.REI.4a	equations	
A.REI.4b		
A.REI.7		
N.CN.1	Imaginary and Complex Numbers(1.1.6) simplify complex expressions	3
N.CN.2		
N.CN.7		
N.CN.8(+)		
N.CN.9(+)		
A.REI.4b		
A.SSE.1b	Modeling with Functions(1.2.1) maximizing and minimizing real life problems	1
A.APR.3	(quadratics)	
A.REI.11		
F.BF.1b		
F.IF.7c	Transforming Function Shapes(1.2.2) determine key characteristics of functions	2
F.BF.3		
A.REI.10	Exploring Cubic Functions(1.2.3) maximizing and minimizing real life problems	2
F.IF.4	(cubics)	
F.IF.5		
F.IF.7a		
F.IF.7c		
G.GMD.3		
N.CN.9(+)	Decomposing Cubic Functions(1.2.4) determine zeros of cubic functions and	2
A.APR.1	write functions using that information	
A.APR.3		

F.IF.7a		
F.IF.7c		
A.APR.1	S1 W1 Test	1
A.APR.3		
A.REI.11		
F.BF.1		
F.BF.3		
F.IF.4		
F.IF.5		
F.IF.7		
F.IF.8		
N.CN.1		
N.CN.2		
N.CN.7		
F.IF.7c	Power Functions(1.3.1) determine if higher order functions are even or odd	1
F.BF.3		
F.BF.3	Transformations of Polynomial Functions(1.3.2) determine end behavior	3
A.APR.3	Key Characteristics of Polynomial Functions(1.3.3) sketch a graph given specific	3
F.IF.4	characteristics	
A.APR.3	Building Cubic and Quartic Functions(1.3.4) construct higher order functions	3
F.IF.7c	that are products of lower order functions	
F.BF.1b		
A.CED.3	Analyzing Polynomial Functions(1.3.5)use characteristics to determine the	2
A.REI.11	behavior and possible graph of higher order funcitons	
F.IF.4		
F.IF.6		
F.IF.9	Comparing Polynomial Functions(1.3.6) factor higher order polynimials	3
F.IF.4	Topic 3 Test	1
F.IF.6		
F.IF.7		
F.IF.9		
F.BF.3		
N.CN.8(+)	Relating Factors and Zeros(2.1.1) graph piececwise funcitons	3
A.SSE.2		
A.APR.3		
F.IF.8a		
N.CN.8(+)	Polynomial Division(2.1.2) Rational Root Theorem	3
A.SSE.1a		
A.SSE.2		
A.APR.1		
A.APR.2		
A.APR.1	The Closure Property(2.1.3) Building functions that are closed under the basic operations	2
A.CED.1	Solving Polynimial Inequaities(2.1.4) solve higher order polynomial inequalities	1
A.CED.3		
A.SSE.2	S1 W2 Test	1
A.APR.2		

A.APR.1		
A.CED.3		
A.APR.4	Exploring Polynimial Idetities(2.2.1) Compare different representaions of functions	2
A.APR.5(+)	Pascal's Tiangle and the Binomail Theorem(2.2.2) scatterplots and line of best fit	2
A.CED.3	Modeling with Polynomial Functions and Data(2.2.3) creating piecewise functions	3
F.IF,4		
F.IF.5		
F.BF.1		
S.ID.6a		
F.IF.7d(+)	Introduction to Rational Functions(2.3.1) Identify asymptotoes	3
F.BF.3	Transformations of Rational Functions(2.3.2) composition of functions	3
A.APR.6	Graphical Discontinuities(2.3.3) Graphing funcitons with removable discontinuities	3
F.IF.7d(+)	without the use of a calcualtor	
F.IF.8a		
A.SSE.2	Operations with Rational Expressions(2.3.4)simplify complex rational functions	4
A.APR.6		
A.APR.7(+)		
A.SSE.2	Solving Probems with Rational Funcitons(2.3.5) Solve real life problems involvong rational	3
A.CED.1	functions	
A.REI.1		
A.REI.2		
A.REI.11		
F.IF.5		
A.CED.1	Solving Work, Mixture, Distance, and Cost Problems(2.3.6)Identify errors in solutions	3
A.REI.1		
A.REI.2		
G.MG.2		
A.APR.1	S1 E1 Test	1
A.APR.2		
A.APR.3		
A.APR.4		
A.APR.6		
A.CED.1		
A.CED.3		
A.REI.11		
A.REI.2		
A.SSE.2		
F.BF.3		
F.IF.4		
F.IF.5		
F.IF.6		
F.IF.7		
F.IF.8		
N.CN.1		
N.CN.2		
N.CN.7		

S.ID.6		