

Algebra II Honors Pacing Guide First Semester				
	1 st Quarter	TN Standards	Lesson Focus	Additional Notes
	2 weeks	A2.A.REI.C.4, A2.A.REI.D.6, A2.F.BF.A.1, A2.F.LE.A.1, A2.NQ.A.1	Section 3-1: Solving Systems of Equations by Graphing Section 3-2: Solving Systems of Equations Algebraically Section 3-5: Solving Systems of Equations in Three Variables	
	6 weeks	A2.F.IF.A.1, A2.F.IF.A.2, A2.N.CN.A.1, A2.N.CN.A.2, A2.N.CN.B.3, A2.A.SSE.A.1, A2.A.CED.A.1, A2.A.REI.B.3, A2.A.REI.C.5, A2.F.BF.A.1, A2.NQ.A.1 ACT: N606, N704, A702	Section 5-1: Graphing Quadratic Functions Section 5-2: Solving Quadratic Equations by Graphing Section 5-3: Solving Quadratic Functions by Factoring Section 5-4: Complex Numbers Section 5-5: Completing the Square Section 5-6: The Quadratic Formula and the Discriminant Section 5-7: Transformations with Quadratic Functions Section 5-8: Quadratic Inequalities Section 10-7: Solving Linear-Nonlinear Systems	
	End of 1st Quarter	District Q1 CFA		
	2 nd Quarter	TN Standards	Lesson Focus	Additional Notes
	4 weeks	A2.F.IF.A.2, A2.F.IF.B.3, A2.F.IF.B.5, A2.A.APR.A.1, A2.A.APR.A.2, A2.A.APR.C.4, A2.A.CED.A.1, A2.A.CED.A.2, A2.A.REI.A.1, A2.F.BF.A.1, A2.F.BF.B.3, A2.NQ.A.1 ACT: A703	Section 6-1 Operations with Polynomials Section 6-2: Dividing Polynomials Section 6-3: Polynomial Functions Section 6-4: Analyzing Graphs and Polynomial Functions Section 6-6: The Remainder and Factor Theorems Section 6-7: Roots and Zeros Section 6-8: Rational Zero Theorem	
	4 weeks	A2.F.IF.A.2, A2.F.IF.B.3, A2.A.APR.A.2, A2.A.APR.B.3, A2.A.CED.A.2, A2.A.REI.A.1, A2.A.REI.A.2, A2.F.BF.A.1, A2.F.BF.B.4, A2.N.RN.A.1, A2.N.RN.A.2, A2.NQ.A.1	Section 7-1: Operations on Functions Section 7-2: Inverse Functions and Relations Section 7-3: Square Root Functions and Inequalities Section 7-4: nth Roots Section 7-5: Operations with Radical Expressions Section 7-6: Rational Exponents Section 7-7: Solving Radical Equations	
	End of 2nd Quarter			
	End of 1st Semester			

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3 rd Quarter	TN Standards	Lesson Focus	Additional Notes
3 weeks	A2.F.IF.A.1, A2.F.IF.A2, A2.F.IF.B.3, A2.F.IF.B.5, A2.A.SSE.B.2, A2.A.CED.A.1, A2.F.IF.B.4, A2.A.CED.A.2, A2.A.REI.A.1, A2.F.BF.A.1, A2.F.BF.B.3, A2.F.LE.A.1, A2.F.LE.A.2, A2.F.LE.B.3, A2.S.ID.B.2, A2.NQ.A.1 ACT: F702, F707	Section 8-1 Graphing Exponential Functions Section 8-2 Solving Exponential Equations and Inequalities Section 8-3 Logarithms and Logarithmic Functions Section 8-4 Solving Logarithmic Equations and Inequalities Section 8-6 Common Logarithm Section 8-7 Base <i>e</i> and Natural Logarithms Section 2-5 Scatter Plots and Lines of Regressions	
2 weeks	A2.A.SSE.B.3, A2.F.BF.A.1, A2.F.BF.A.2, A2.F.LE.A.1, A2.NQ.A.1 ACT: F603, F703	Section 11-1 Sequences as Functions Section 11-2 Arithmetic Sequences and Series Section 11-3 Geometric Sequences and Series Section 11-5 Recursion and Iteration	
3 weeks	A2.S.ID.A.1, A2.S.IC.A.2, A2.S.CP.A.1, A2.S.CP.A.2, A2.S.CP.A.3, A2.S.CP.A.4, A2.S.CP.B.5, A2.S.CP.B.6 ACT: S605, S606, S703, S704	Section 12-1 Experiments, Surveys, and Observational Studies Section 12-2 Statistical Analysis Section 12-3 Conditional Probability Section 12-4 Probability and Probability Distributions Section 12-5 The Normal Distribution	
End of 3rd Quarter	District Q3 CFA		
4 th Quarter	TN Standards	Lesson Focus	Additional Notes
2 weeks	A2.A.CED.A.1, A2.A.SSE.B.2, A2.A.CED.A.2, A2.A.REI.A.1, A2.A.REI.A.2, A2.NQ.A.1	Section 9-3 Graphing Reciprocal Functions Section 9-4 Graphing Rational Functions Section 9-6 Solving Rational Equations and Inequalities	
2 weeks	A2.F.TF.A.1, A2.F.TF.A.2, A2.F.TF.B.3 ACT: F704, F706	Section 13-1 Trigonometric Functions in Right Triangles Section 13-2 Angles and Angle Measure Section 13-3 Trigonometric Functions of General Angles	
End of 4th Quarter			
End of 2nd Semester			