

Algebra II Pacing Guide First Semester				
	1 st Quarter	TN Standards	Lesson Focus	Additional Notes
	1 Week	A-CED.1, A-REI.1 A-CED.1, A-REI.1 A-CED.1, A-REI.1 A-CED.1, A-REI.1	Section 1-3: Solving Equations Section 1-4: Solving Absolute Value Equations Section 1-5: Solving Inequalities Section 1-6: Solving Compound and Absolute Value Inequalities	
	2.5 weeks	F-IF.4, F-IF.7 F-IF.4, F-IF.7, F-IF.9, F-LE.2 F-IF.4, F-IF.6 F-LE.2 N-Q.2, F-IF.4 F-IF.4, F-IF.7 F-IF.4, F-IF.9, F-LE.2, F-BF.3	Section 2-1: Relations and Functions Section 2-2: Linear Relations and Functions Section 2-3: Rate of Change and Slope Section 2-4: Writing Linear Equations Section 2-5: Scatter Plots and Lines of Regression Section 2-6: Special Functions Section 2-7: Parent Functions and Transformations	Move 2-5 to later in the year; 2-7 concepts will be covered in 5-7
	1 week	A-REI.6, A-REI.11, F-IF.7 A-REI.6	Section 3-1: Solving Systems of Equations by Graphing Section 3-2: Solving Systems of Equations Algebraically	
	3 weeks	F-IF.4, F-IF.7, F-IF.8 A-REI.4, F-IF.4, F-IF.7, F-IF.8 A-SSE.2, A-SSE.3, A.CED.1, A-REI.4, F-IF.8 N-CN.1, N-CN.2, A-APR.4	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	
	End of 1st Quarter	District Q1 CFA		
	2 nd Quarter	TN Standards	Lesson Focus	Additional Notes
	3 weeks	N-CN.7, A-SSE.2, A-SSE.3, A-APR.4, A-CED.1, A-REI.4, F-IF.8 N-CN.7, A-APR.4, A-CED.1, A-REI.4 F-IF.4, F-IF.7, F-BF.3 A-CED.1	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	5-7 will be covered later
	4 weeks	No Standard A-APR.6 F-IF.4, F-IF.7, F-BF.9 F-IF.4, F-IF.7	Section 6-1 Operations with Polynomials Section 6-2: Dividing Polynomials Section 6-3: Polynomial Functions Section 6-4: Analyzing Graphs and Polynomial Functions	

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	A-APR.2, A-CED.1, F-IF.7 A-APR.3, A-CED.1, F-IF.4 and 7, A-REI.2	Section 6-6: The Remainder and Factor Theorems Section 6-7 & 6-8: Roots and Zeros	
2 weeks	F-BF.9, F-BF.1, F-BF.4 F-IF.4, F-BF.4 F-IF.4, F-IF.9, F-BF.3	Section 7-1: Operations on Functions Section 7-2: Inverse Functions and Relations Section 7-3: Square Root Functions and Inequalities	
End of 2nd Quarter			
End of 1st Semester			
Algebra II Pacing Guide Second Semester			
3 rd Quarter	TN Standards	Lesson Focus	Additional Notes
2 weeks	A-SSE.2 A-SSE.2 N-RN.1, N-RN.2 A-REI.2	Section 7-4 nth Roots Section 7-5 Operations with Radical Expressions Section 7-6 Rational Exponents Section 7-7 Solving Radical Equations	
3 weeks	F-IF.4, F-IF.8, F-IF.9, F-BF.1, F-IF.7 A-SSE.2, A-SSE.3, A-CED.1, F-IF.8, F-LE.4 A-SSE.2, F-IF.4, F-IF.7, F-BF.3 A-SSE.2, A-CED.1 A-CED.1, F-LE.2	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	
2 weeks	F-IF.3, F-LE.2 F-BF.1, F-LE.2 A-SSE.4, F-BF.1 F-BF.1	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	
2 weeks	S-IC.1, S-IC.3, S-IC.4, S-IC.5 S-IC.1, S-IC.3, S-IC.4, S-IC.5 S-IC.5, S-CP.1, S-CP.2, S-CP.3, S-CP.4, S-CF.5 S-CP.6, S-CP.7 S-ID.4, S-ID.6	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	

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	4 th Quarter	TN Standards	Lesson Focus	Additional Notes
	2 weeks	F-IF.4, F-IF.7, F-BF.3 F-IF.4, F-IF.7, F-IF.9 A-CED.1, A-REI.1	Section 9-3 Graphing Reciprocal Functions Section 9-4 Graphing Rational Functions Section 9-6 Solving Rational Equations and Inequalities	
	3 weeks	F-TF.1, F-TF.2 F-TF.1, F-TF.2 F-IF.4, F-TF.1, F-TF.2 F-IF.4, F-TF.6, F-TF.2 F-IF.4, F-IF.7, F-TF.5 F-BF.3	Section 13-1 Trigonometric Functions in Right Triangles Section 13-2 Angles and Angle Measure Section 13-3 Trigonometric Functions of General Angles Section 13-6 Circular Functions Section 13-7 Graphing Trigonometric Functions Section 13-8 Translations of Trigonometric Graphs	
	1.5 weeks	F-TF.8 F-TF.8 F-TF.8	Section 14-1 Trigonometric Identities Section 14-3 Verifying Trigonometric Identities Section 14-4 Double-Angle and Half-Angle Identities	
	End of 4th Quarter			
	End of 2nd Semester			