

Advanced Algebra & Trig Pacing Guide First Semester

	1 st Quarter	TN Standards	Lesson Focus	Additional Notes
	Week 1	N-NE 4	P.2 Using Properties of Exponents P.3 Simplifying Radical Expressions and Understand and Use Rational Exponents	
	Week 2	N-NE 5	P.4 Adding, Subtracting and Multiplying Polynomials	
	Week 3	N-NE 6	P.5 Factoring Polynomials	
	Week 4	N-NE3	P.5 Factoring Polynomials	
	Week 5	N-NE 4	P.6 Simplifying, Multiplying, Dividing, Adding, Subtracting Rational Expressions	
	Week 6	N-NE 3	1.2 Solving Linear Equations and Rational Equations	
	Week 7	N-NE 3	1.3 Use Linear Equations to Solve Problems	
	Week 8	N-CN 1	1.4 Perform Operations with Complex Numbers and Use Complex Conjugates to Find Moduli and Quotients of Complex Numbers	
	Week 9	F-IF 3	1.5 Solving Quadratic Equations	
	End of 1st Quarter	District Quarterly CFA		
	2 nd Quarter	TN Standards	Lesson Focus	Additional Notes
	Week 1	F-If 3	1.6 Solving Other Types of Equations 1.7 Solving Linear Inequalities and absolute value inequalities	
	Week 2	F-BF 2 F-BF 4	2.1 Basics of Functions and Their Graphs 2.2 More on Functions	
	Week 3		2.3 Linear Functions and Slope	
	Week 4	F-BF 2	2.4 Functions, Function Notation and the Graph of a Function	
	Week 5	F-BF 1	2.5 Transformations of Functions	
	Week 6	F-IF 3	3.1 Identify the Real Zeros of a Function and Explain the	

		Relationship Between the Real Zeros and the x-intercepts of the Graph of a Function	
Week 7	F-IF 3	3.2 Synthetic Division and the Remainder Theorem	
Week 8	F-IF 3	3.3 The zeros of a Polynomial Function	
Week 9	F-IF 1-4	3.4 Graphing Polynomial Functions	
End of 2nd Quarter	District Quarterly CFA		
End of 1st Semester			
Advanced Algebra & Trig Pacing Guide Second Semester			
3rd Quarter	TN Standards	Lesson Focus	Additional Notes
Week 1	N-NE 1	4.1 Exponential Functions 4.1 Logarithmic Functions	
Week 2	F-IF	4.3 Properties of Logarithms	
Week 3	F- BF A-REI.11	4.4 Solving Exponential and Logarithmic Equations 4.5 Exponential Growth and Decay	
Week 4	G-AT 3 F-FT 1	5.1 Angles and Radian Measure	
Week 5	G-AT 4	5.2 Right Triangle Trigonometry	
Week 6	F-IF 2	5.3 Trigonometric Functions of Any Angle 5.4 Trigonometric Functions of Real Numbers, Periodic Functions	
Week 7	G-GT 1 G-GT 2	5.5 Graphing Sine and Cosine Functions	
Week 8	G-GT 3	5.6 Graphing Other Trigonometric Functions	
Week 9	G-GT 4	5.6 Inverse Trigonometric Functions and Applications of Trigonometric Functions	
End of 3rd Quarter	District Quarterly CFA		

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4 th Quarter	TN Standards	Lesson Focus	Additional Notes
Week 1	F-TF	6.1 Verifying Trigonometric Identities 6.2 Sum and Difference Formulas	
Week 2	F-TF	6.3 Double Angle/Half Angle Formulas, Power Reducing 6.4 Product to Sum and Sum to Product Formulas	
Week 3	F-TF	6.5 Solving Trigonometric Equations	
Week 4	N-VM 1-6	7.6 Performing Operations on Vectors 7.7 Dot Product	
Week 5	A-REI 1	8.2 Solving Systems of Equations in Three Variables 8.4 Solving Systems of Non-Linear Equations in Two Variables	
Week 6	A-REI 4	8.6 Linear Programming	
Week 7	G-GPE	10.1 The Ellipse 10.2 The Hyperbola	
Week 8	G-GPE	10.3 The Parabola 10.5 Parametric Equations	
Week 9	A-S 5	11.5 The Binomial Theorem	
End of 4th Quarter			
End of 2nd Semester			