

Algebra I Pacing Guide First Semester						
1 st (Quarter	TN Standards	Lesson Focus	Additional Notes		
Sec 0-2 3	& Chapter 1 weeks	N-RN.3, A-SSE.1, A-SSE.2, A-CED.1, A-REI.1, A-REI.3, A-REI.10, F-BF.1, F-IF.1, F-IF.2, F-IF.5, F-IF.9	Sec 0-2: Real Numbers Sec 1-1: Variables and Expressions Sec 1-2: Order of Operations Sec 1-3: Properties of Numbers Sec 1-4: The Distributive Property Sec 1-5: Equations Sec 1-6: Relations Sec 1-7: Functions			
Ch 3	apter 2 weeks	A-CED.1, A-REI.1, A-REI.3, N-Q.1, N-Q.2, N-Q.3, A-CED.4	Sec 2-1: Writing Equations Sec 2-3: Solving Multi-Step Equations Sec 2-4: Solving Equations with the Variable on Each Side Sec 2-5: Solving Equations Involving Absolute Value Sec 2-6: Ratios and Proportions Sec 2-7: Percent of Change Sec 2-8: Literal Equations and Dimensional Analysis			
Ch 2	apter 5 weeks	A-CED.1, A-REI.3	Sec 5-3: Solving Multi-Step Inequalities Sec 5-4: Solving Compound Inequalities Sec 5-5: Inequalities Involving Absolute Value			
Ch 1	apter 3 . week	A-CED.2, A-REI.10, F-BF.1, F-IF.4, F-IF.7, A-CED.1	Sec 3-1: Graphing Linear Equations Sec 3-2: Solving Linear Equations by Graphing			
End of	End of 1 st Quarter District Q1 CFA					
			Fall Break			
2 nd	Quarter	TN Standards	Lesson Focus	Additional Notes		
Ch 3	apter 3 weeks	F-IF.6, F-LE.1, A-CED.2, A-REI.10, F-BF.1, F-IF.4, F-IF.7, A-CED.1, F-LE.5, F-IF.3, F-LE.2, F-IF.9	Sec 3-3: Rate of Change and Slope Sec 3-4: Direct Variation Sec 3-5: Arithmetic Sequences as Linear Functions Sec 3-6: Proportional and Non-Proportional Relationships			



	Chapter 4 3 weeks	A-CED.2, A-CED.4, F-IF.7, F-LE.5, F-BF.1, S-ID.7, A-CED.3, A-REI.12, F-LE.2, F-IF.2, F-IF.9, N-Q.1, S-ID.6, S-ID.7, S-ID.8	Sec 4-1: Graphing Equations in Slope Intercept Form Sec 4-2: Writing Equations in Slope-Intercept Form Sec 4-3: Writing Equations in Point-Slope Form Sec 4-4: Parallel and Perpendicular Lines Sec 4-5: Scatter Plots and Trend Lines Sec 4-6: Regression and Median-Fit Lines Sec 4-7: Special Functions		
	Chapter 6 3 weeks	A-CED.2; A-CED.3; A-REI.6; A-REI.11, A-REI.5, A- REI.11; A-REI.12	Sec 6.1: Graphing Systems of Equations Sec 6.2: Substitution Sec 6.3: Elimination Using Addition and Subtraction Sec 6.4: Elimination Using Multiplication Sec 5.6: Graphing Inequalities in Two Variables Sec 6.8: Systems of Inequalities		
	End of 2 nd Quarter				
End of 1st Semester Semester Exam					
			Winter Break		
		Algebra I Pacing	g Guide Second Semester		
	3 rd Quarter	TN Standards	Lesson Focus	Additional Notes	
	Chapter 7 4 weeks	A-SSE.2, F-IF.8, A-APR.1, A-SSE.1	Sec 7-1: Multiplying Monomials Sec 7-2: Dividing Monomials Sec 7-3: Scientific Notation Sec 7-5: Adding and Subtracting Polynomials Sec 7-6: Multiplying a Polynomial by a Monomial Sec 7-7: Multiplying Polynomials Sec 7-8: Special Products		
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	Chapter 11 1 week	A-CED.2	Sec 11-2: Rational Functions Sec 11-3: Simplifying Rational Expressions Sec 11-4: Multiplying and Dividing Rational Expressions	
	End of 3 rd Quarter	District Q3 CFA		
	4 th Quarter	TN Standards	Lesson Focus	Additional Notes
	Chapter 9 4 weeks	A-CED.2, A-REI.10, A-SSE.1, F-IF.2, F-IF.4, F-IF.5, F-IF.7, F-IF.8, F-IF.9, A-APR.3, A-REI.4, A-SSE.3, F-LE.1, F-LE.2, F-LE.3, F-LE.5, N-Q.1, F- BF.1	Sec 9-1: Graphing Quadratic Functions Sec 9-2: Solving Quadratic Equations by Graphing Sec 9-4: Solving Quadratic Equations by Completing the Square Sec 9-5: Solving Quadratic Equations by the Quadratic Formula Sec 9-6: Exponential Functions Sec 9-7: Growth and Decay Sec 9-8: Geometric Sequences as Exponential functions	
	Chapter 10 3 weeks	A-CED.2, A-REI.10, F-BF.3, F-IF.2, F-IF.4, F-IF.5, F-IF.7, A-REI.4, N-RN.2; A-CED.2	Sec 10.1: Square Root Functions Sec 10.2: Simplifying Radical Expressions Sec 10.3: Operations with Radical Expressions Sec 10.4: Radical Equations	
	2 weeks		Introduce topics related to Geometry	
	End of 4 th Quarter			
	End of 2 nd Semester	Semester Exam		