



1 st Quarter (44 Days)			
<u>Resources:</u> Algebra 1 Prentice Hall			
Week	Unit/Lesson	Learning Objectives	Reporting Category (TEKS)
1 st : Aug 8-9 (2 days)	Ch 1 – Expressions, Equations, and Functions Lesson 1-4	TSW solve problems with: Expressions and Variables Order of Operations Properties of Numbers Distributive Property	A.10(D)
2 nd : Aug 12-16 (5 days)	Ch 1 – Expressions, Equations, and Functions Lesson 5-8	TSW solve problems with: Equations Relations Functions Interpreting Graphs of Functions	A.5(A) A.2(A) A.12(A)(B) A.3 (C) A.7(A)
3 rd : Aug 19-23 (5 days)	Ch 2- Linear Equations Lesson 1-5	TSW solve problems with: Writing Equations Solving One Step Equations Solving Multi-Step Equations Solving Equation with the Variable on each side Solving Equations involving absolute value	A.5(A)
4 th : Aug 26-30 (5 days)	Ch 2 Continued Lessons 6-9	TSW solve problems with: Ratios and Proportions Percent of Change Literal Equations and Dimensional Analysis Weighted Averages	A.12(E) A.5(A)
5 th : Sept 3-6 (4 days)	Monday: Labor Day Holiday Ch 3 – Linear Functions Lessons 1-3	TSW solve problems with: Graphing Linear Equations Zeros of Linear Functions Rate of changes and slope	A.2(A)(B) A.3 (A) (B)(C)
6 th : Sept 9-13 (5 days)	Ch 3 Continued Lessons 4-6	TSW solve problems with: Direct Variation Arithmetic Sequences as Linear Functions Proportional and Nonproportional Relationships Solving Multi step equations	A.2(A) A.12 (D)



1st Quarter (44 Days)

<i>Resources:</i> Algebra 1 Prentice Hall			
Week	Unit/Lesson	Learning Objectives	Reporting Category (TEKS)
7 th : Sept 16-20 (5 days)	Ch 4 – Equations of Linear Functions Lessons 1-4 Friday: Professional Development	TSW solve problems with: Graphing Equations in Slope Intercept Form Writing Equations in Slope Intercept form Writing Equations in Point Slope Form Parallel and Perpendicular Lines	A.3 (A) (C) (E) A. 2 (B) (C) (E) (F) (G)
8 th : Sept 22-26 (4 days)	Ch 4- Continued Lessons 5-7	TSW solve problems with: Scatter Plots and Lines of Fit Regression and Median Fit Lines Inverse Linear Functions	A. 4 (A) (B) (C)
9 th : Sep 30th -Oct 4th (5 days)	Review	Review	Review
10 th : Oct 7-11 (5 days)	Review and assessment	1 st Benchmark	Review

2nd Quarter (43 Days)

<i>Resources:</i> Algebra 1 Prentice Hall			
Week	Unit/Lesson	Learning Objectives	Reporting Category (TEKS)
1 st : Oct 14-18 (5 days)	Chapter 5 – Linear Inequalities Lessons 1-4	TSW solve problems with: Solving Inequalities by Addition and Subtraction Solving Inequalities by multiplication and division Solving Multi Step Inequalities Solving Compound Inequalities	A.2 (H) A.5 (B)
2 nd : Oct 21-25 (5 days)	Ch 5 Continued Lessons 5-6	TSW solve problems with: Inequalities involving absolute values. Graphing inequalities in two variables	A.2(H) A.3(D)
3 rd : Oct 28- Nov 1st (4 days)	Monday: Parent/Teacher Conferences Ch 6- Systems of Linear Equations and Inequalities Lessons 1-4	TSW solve problems with: Graphing Systems of Equations Substitution Elimination using Addition and Subtraction Elimination using Multiplication.	A.3(F) (G) A.2(I) A.5(C)
4 th : Nov 4-8 (5 days)	Ch.6 Continued Lesson 5-6	TSW solve problems with: Applying Systems of Linear Equations	A.2(I) A.5(C) A.3 (H)



2 nd Quarter (43 Days)			
<u>Resources:</u> Algebra 1 Prentice Hall			
Week	Unit/Lesson	Learning Objectives	Reporting Category (TEKS)
		Systems of Inequalities	
5 th : Nov 11-15 (5 days)	Chapter 7 - Exponents and Exponential Functions Lessons 1-4	TSW solve problems with: Multiplication Properties of Exponents Division Properties of Exponents Rational Exponents Scientific Notation	A. 11 (A) (B)
Nov 20-24	Thanksgiving Holiday		
7 th : Nov 18-22 (5 days)	Ch 7 Continued Lessons 5-8	TSW solve problems with: Exponential Functions Growth and Decay Geometric Sequences as Exponential Functions Recursive Formulas	A.9 (A) (B) (C) (D) (E) A.12 (C) (D)
8 th : Nov 30-Dec 6 (5 days)	Ch 8 – Quadratic Expressions and Equations Lessons 1-4	TSW solve problems with: Adding and Subtracting Polynomials Multiplying a Polynomial by a Monomial Multiplying Polynomials Special Products	A.10 (A) (B) (D)
9 th : Dec 9-13 (5 days)	Ch. 8 Continued Lessons 5-9	TSW solve problems with: Using the Distributive Property Solving $x^2 + bx + c = 0$ Solving $ax^2 + bx + c = 0$ Differences of Square Perfect Squares	A.8 (A) A.10 (E) (F)
10 th : Dec16-20 (5 days)	Ch 8 continued 2nd Benchmark		
Dec 23- Jan3	Winter Break (Dec 23-Jan3)		

3 rd Quarter (44 Days)			
<u>Resources:</u> Algebra 1 Prentice Hall			
Week	Unit/Lesson	Learning Objectives	Reporting Category (TEKS)
1 st : Jan 7-10 (4 days)	Monday: Professional Development	TSW solve problems with: Graphing Quadratic Functions	A.6(A) (B) (C) A.7 (A) (B) (C)



3rd Quarter (44 Days)

<i>Resources:</i> Algebra 1 Prentice Hall			
Week	Unit/Lesson	Learning Objectives	Reporting Category (TEKS)
	Ch 9- Quadratic Functions and Equations	Solving Quadratic Equations by Graphing Transformations of Quadratic Functions Solving Quadratic Equations by Completing the Square	A.8 (A)
2 nd : Jan 13-17 (5 days)	Ch 9- Quadratic Functions and Equations	TSW solve problems with: Graphing Quadratic Functions Solving Quadratic Equations by Graphing Transformations of Quadratic Functions Solving Quadratic Equations by Completing the Square	A.6(A) (B) (C) A.7 (A) (B) (C) A.8 (A)
3 rd : Jan 21-24 (5 days)	Monday: MLK Holiday Ch 9 Continued Lessons 5-7	TSW solve problems with: Solving Quadratic Equations by Using the Quadratic Formula Analyzing Functions with Successive Differences	A.8 (A) (B) A.9(E)
4 th : Jan 27-31 (5 days)	1/24: 100 Days of School Ch 10- Radical Functions and Geometry Lessons 1-3	TSW solve problems with: Square Root Functions Simplifying Radical Expressions Operations with Radical Expressions	A.11 (A)
5 th : Feb 3-7 (5 days)	Ch 10 Continued Lessons 4-6	TSW solve problems with: Radical Equations The Pythagorean Theorem Trigonometric Ratios	A.11 (A)
6 th : Feb 10-13 (4 days)	Ch 11- Rational Functions and Equations Lessons 1-4 Friday:district development	TSW solve problems with: Inverse Variation Rational Functions Simplifying Rational Expressions Multiplying and Dividing Rational Expressions	A.10 (C)
7 th : Feb 17-21 (5 days)	Ch.11 Continued Lessons 5-8	TSW solve problems with: Dividing Polynomials Adding and Subtracting Rational Expressions	A.10 (C)
8 th : Feb 24-28 (5 days)	Chapter 12- Statistics and Probability Lessons 1-4	TSW solve problems with: Samples and Studies Statistics and Parameters Distribution of Data Comparing Sets of Data	AQR 4
9 th : Mar 3-7	Chapter 12- Statistics and Probability	TSW solve problems with:	AQR 4



3 rd Quarter (44 Days)			
<i>Resources:</i> Algebra 1 Prentice Hall			
Week	Unit/Lesson	Learning Objectives	Reporting Category (TEKS)
(5 days)	Lessons 1-4	Samples and Studies Statistics and Parameters Distribution of Data Comparing Sets of Data	
Mar 10-14	Spring Break		

4 th Quarter (46 Days)			
<i>Resources:</i> Algebra 1 Prentice Hall			
Week	Unit/Lesson	Learning Objectives	Reporting Category (TEKS)
1st: Mar 17- 21 (5 days)	Ch. 12 Continued Lessons 5-8	SW solve problems with: Simulation Permutations and Combinations Probability of Compound Events Probability Distribution	Review
2nd: Mar 24-31 (5 days)	Ramadan/Eid Break		
3rd: Apr 1-4 (4 day)	REVIEW AND ASSESSMENT	Project based learning Review and assessment	Review
4th: April 7-11 (5 days)	REVIEW AND ASSESSMENT	Project based learning Review and assessment	Review
5th: April 14- 18 (5 Days)	STAAR	Project based learning Review and assessment	Review
6th: Apr 21-25 (5 days)	STAAR	Project based learning Review and assessment	Review
7th: Apr 28 -May 2 (5 days)	STAAR	Project based learning Review and assessment	Review
8th: May 5-9 (5 days)	STAAR	Project based learning Review and assessment	Review
9th: May 12-16 (5 days)	Review and Assessment	Review and Assessment	Review
10th: May 19-23 (5 days)	Award Ceremonies / Graduation Ceremonies	Project based learning Review and assessment	Review



Everest Academy

Scope & Sequence
Grade: 9th Subject: Algebra 1

Revised: Feb 2024