

**1st Quarter 42 Days**

Resources: Algebra 1 Prentice Hall			
Week	Unit/Lesson	Learning Objectives	Reporting Category (TEKS)
1st: Aug 11-14 (4 days)	Ch 1 – Expressions, Equations, and Functions Lessons 1-4	<u>TSW solves problems with:</u> Expressions and Variables Order of Operations Properties of Numbers Distributive Property	A.10(D)
2nd: Aug 17-22 (5 days)	Ch 1 – Expressions, Equations, and Functions Lesson 5-8	<u>TSW solves problems with:</u> Equations Relations Functions Interpreting Graphs of Functions	A.5(A) A.2(A) A.12(A)(B) A.3 (C) A.7(A)
3rd: Aug 24-28 (5 days)	Ch 2- Linear Equations Lesson 1-5	<u>TS solves problems with:</u> Writing Equations Solving One-Step Equations Solving Multi-Step Equations Solving an equation with the Variable on each side Solving Equations involving absolute value	A.5(A)
4th: Aug 31-Sep 4 (5 days)	Ch 2 Continued Lessons 6-9	<u>TSW solves problems with:</u> Ratios and Proportions Percent of Change Literal Equations and Dimensional Analysis Weighted Averages	A.12(E) A.5(A)
5th: Sept 8-11 (4 days)	Monday: Labor Day Holiday Ch 3 – Linear Functions Lessons 1-3	<u>TSW solves problems with:</u> Graphing Linear Equations Zeros of Linear Functions Rate of changes and slope	A.2(A)(B) A.3 (A) (B)(C)
6th: Sept 14-18 (5 days)	Ch 3 Continued Lessons 4-6	<u>TSW solves problems with:</u> Direct Variation Arithmetic Sequences as Linear Functions Proportional and Nonproportional Relationships Solving multi-step equations	A.2(A) A.12 (D)

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7 th : Sept 21-25 (5 days)	Ch 4 - Equations of Linear Functions Lessons 1-4	<u>TSW solves problems with:</u> 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 28-Oct 2 (5 days)	Ch 4- Continued Lessons 5-7	<u>TSW solves problems with:</u> Scatter Plots and Lines of Fit Regression and Median Fit Lines Inverse Linear Functions	A. 4 (A) (B) (C)
9 th : Oct 5-8 (4 days)	Review Friday: Professional Development	Review	All chapter 1 TEKS

2nd Quarter 42 Days

Resources: Algebra 1 Prentice Hall			
Week	Unit/Lesson	Learning Objectives	Reporting Category (TEKS)
1 st : Oct 14-16 (3 days)	Chapter 5 - Linear Inequalities Lessons 1-4	<u>TSW solves problems with:</u> 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 19-23 (5 days)	Ch 5 Continued Lessons 5-6	<u>TSW solves problems with:</u> Inequalities involving absolute values. Graphing inequalities in two variables	A.2(H) A.3(D)
3 rd : Oct 26-29 (4 days)	Friday: Parent/Teacher Conferences Ch 6- Systems of Linear Equations and Inequalities Lessons 1-4	<u>TSW solves problems with:</u> 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 2-6	Ch. .6 Continued	<u>TSW solves problems with:</u>	A.2(I)

**2nd Quarter 42 Days**

Resources: Algebra 1 Prentice Hall			
Week	Unit/Lesson	Learning Objectives	Reporting Category (TEKS)
(5 days)	Lesson 5-6	Applying Systems of Linear Equations Systems of Inequalities	A.5(C) A.3 (H)
5th: Nov 9-13 (5 days)	Chapter 7 - Exponents and Exponential Functions Lessons 1-4	<u>TSW solves problems with:</u> Multiplication Properties of Exponents Division Properties of Exponents Rational Exponents Scientific Notation	A. 11 (A) (B)
6th: Nov 16-20 (5 days)	Ch 7 Continued Lessons 5-8	<u>TSW solves problems with:</u> Exponential Functions Growth and Decay Geometric Sequences as Exponential Functions Recursive Formulas	A.9 (A) (B) (C) (D) (E) A.12 (C) (D)
Nov 23-27		Thanksgiving Holiday	
7th: Nov30- Dec 4 (5 days)	Ch 8 – Quadratic Expressions and Equations Lessons 1-4	<u>TSW solves problems with:</u> Adding and Subtracting Polynomials Multiplying a Polynomial by a Monomial Multiplying Polynomials Special Products	A.10 (A) (B) (D)
8th: Dec 7-11 (5 days)	Ch. 8 Continued Lessons 5-9	<u>TSW solves problems with:</u> 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)
9th : Dec14-18 (5 days)	Ch 8 continued 2nd Benchmark		
Dec 21- Jan 1	Winter Break		

**3rd Quarter 37 Days****Resources:**

Algebra 1 Prentice Hall

Week	Unit/Lesson	Learning Objectives	Reporting Category (TEKS)
1st : Jan 5-8 (4 days)	Monday: Professional Development Ch 9- Quadratic Functions and Equations	<u>TSW solves problems with:</u> 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)
2nd : Jan 11-15 (5 days)	Ch 9- Quadratic Functions and Equations	<u>TSW solves problems with:</u> 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)
3rd : Jan 19-22 (4 days)	Monday: MLK Holiday Ch 9 Continued Lessons 5-7	<u>TSW solves problems with:</u> Solving Quadratic Equations by Using the Quadratic Formula Analyzing Functions with Successive Differences	A.8 (A) (B) A.9(E)
4th : Jan 25-29 (5 days)	Ch 10- Radical Functions and Geometry Lessons 1-3	<u>TSW solves problems with:</u> Square Root Functions Simplifying Radical Expressions Operations with Radical Expressions	A.11 (A)
5th : Feb 1-5 (5 days)	Ch 10 Continued Lessons 4-6	<u>TSW solves problems with:</u> Radical Equations The Pythagorean Theorem Trigonometric Ratios	A.11 (A)
6th : Feb 8-12 (5 days)	Ch 11- Rational Functions and Equations Lessons 1-4 Friday: district development	<u>TSW solves problems with:</u> Inverse Variation Rational Functions Simplifying Rational Expressions Multiplying and Dividing Rational Expressions	A.10 (C)
7th : Feb 16-19 (4 days)	Monday: School closed Ch. 11 Continued Lessons 5-8	<u>TSW solves problems with:</u> Dividing Polynomials Adding and Subtracting Rational Expressions	A.10 (C)
8th : Feb 22-26 (5 days)	Chapter 12- Statistics and Probability	<u>TSW solves problems with:</u> Samples and Studies	AQR 4

**3rd Quarter 37 Days**

<u>Resources:</u> Algebra 1 Prentice Hall			
Week	Unit/Lesson	Learning Objectives	Reporting Category (TEKS)
	Lessons 1-4	Statistics and Parameters Distribution of Data Comparing Sets of Data	
9th: Mar 1-12		Ramadan & Spring Break	

4th Quarter 51 Days

<u>Resources:</u> Algebra 1 Prentice Hall			
Week	Unit/Lesson	Learning Objectives	Reporting Category (TEKS)
1st: Mar15-19 (5 days)	Chapter 12- Statistics and Probability Lessons 1-4	<u>TSW solves problems with:</u> Samples and Studies Statistics and Parameters Distribution of Data Comparing Sets of Data	Review
2nd: Mar22-26 (5 days)	Ch. 12 Continued Lessons 5-8	<u>SW solves problems with:</u> Simulation Permutations and Combinations Probability of Compound Events Probability Distribution	
3rd: Mar 29- Apr 2 (5 days)	REVIEW AND ASSESSMENT	Project-based learning Review and assessment	Review
4th: April 5-9 (5 days)	REVIEW AND ASSESSMENT	Project-based learning Review and assessment	Review
5th: April 12-16 (5 Days)	STAAR	Project-based learning Review and assessment	Review
6th: Apr 19-23 (5 days)	STAAR	Project-based learning Review and assessment	Review



4th Quarter 51 Days

Resources: Algebra 1 Prentice Hall			
Week	Unit/Lesson	Learning Objectives	Reporting Category (TEKS)
7th: Apr 26-30 (5 days)	STAAR	Review and assessment	Review
8th: May 3-8 (5 days)	STEM	Project-based learning	Review
9th: May 10-14 (5 days)	STEM	Project-based learning	Review
10th: May 19-21 (3 days)	Graduation Prep	Project-based learning	Review
11th: May 24-27	Award Ceremonies / Graduation Ceremonies	Project-based learning	Review