



1 <sup>st</sup> Quarter (44 Days)			
Resources: Algebra 1 (McGraw Hill)			
Week	Unit/Lesson	Learning Objectives	Reporting Categories ( TEKS)
Week 1	Ch 1 – Expressions, Equations, and Functions Lesson 1-4	<b><u>TSW solve problems with:</u></b> Expressions and Variables Order of Operations Properties of Numbers Distributive Property	A.10(D)
Week 2	Ch 1 – Expressions, Equations, and Functions Lesson 5-8	<b><u>TSW solve problems with:</u></b> Equations Relations Functions Interpreting Graphs of Functions	A.5(A) A.2(A) A.12(A)(B) A.3 (C) A.7(A)
Week 3	Ch 2- Linear Equations Lesson 1-5	<b><u>TSW solve problems with:</u></b> 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)
Week 4	Ch 2 Continued Lessons 6-9	<b><u>TSW solve problems with:</u></b> Ratios and Proportions Percent of Change Literal Equations and Dimensional Analysis Weighted Averages	A.12(E) A.5(A)
Week 5	Ch 3 – Linear Functions Lessons 1-3	<b><u>TSW solve problems with:</u></b> Graphing Linear Equations Zeros of Linear Functions Rate of Change and Slope	A.2(A)(B) A.3 (A) (B)( C )
Week 6	Ch 3 Continued Lessons 4-6	<b><u>TSW solve problems with:</u></b> 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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Week	Unit/Lesson	Learning Objectives	Reporting Categories ( TEKS)
Week 7	Ch 4 – Equations of Linear Functions Lessons 1-4	<b>TSW solve problems with:</b> 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)
Week 8	Ch 4- Continued Lessons 5-7	<b>TSW solve problems with:</b> Scatter Plots and Lines of Fit Regression and Median Fit Lines Inverse Linear Functions	A. 4 (A) (B) (C)
Week 9	Review and Assessment	Review and Assessment	Review
Week 10	Review	Review	Review

2nd Quarter (43 Days)			
Resources: Algebra 1 (McGraw Hill)			
Week	Unit/Lesson	Learning Objectives	Reporting Categories ( TEKS)
Week 1	Chapter 5 – Linear Inequalities Lessons 1-4	<b>TSW solve problems with:</b> 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)
Week 2	Ch 5 Continued Lessons 5-6	<b>TSW solve problems with:</b> Inequalities involving absolute values Graphing inequalities in two variables	A.2(H) A.3(D)
Week 3	Ch 6- Systems of Linear Equations and Inequalities Lessons 1-4	<b>TSW solve problems with:</b> Graphing Systems of Equations Substitution Elimination using Addition and Subtraction Elimination using Multiplication	A.3(F) (G) A.2(I) A.5(C)



2nd Quarter (43 Days)			
Resources: Algebra 1 (McGraw Hill)			
Week	Unit/Lesson	Learning Objectives	Reporting Categories ( TEKS)
Week 4	Ch.6 Continued Lesson 5-6	<b><u>TSW solve problems with:</u></b> Applying Systems of Linear Equations Systems of Inequalities	A.2(I) A.5(C) A.3 (H)
Week 5	Chapter 7 - Exponents and Exponential Functions Lessons 1-4	<b><u>TSW solve problems with:</u></b> Multiplication Properties of Exponents Division Properties of Exponents Rational Exponents Scientific Notation	A. 11 (A) (B)
Week 6	Ch 7 Continued Lessons 5-8	<b><u>TSW solve problems with:</u></b> Exponential Functions Growth and Decay Geometric Sequences as Exponential Functions Recursive Formulas	A.9 (A) (B) (C) (D) (E) A.12 (C) (D)
Week 7	Ch 8 – Quadratic Expressions and Equations Lessons 1-4	<b><u>TSW solve problems with:</u></b> Adding and Subtracting Polynomials Multiplying a Polynomial by a Monomial Multiplying Polynomials Special Products	A.10 (A) (B) (D)
Week 8	Review	<b>Review and Assessment</b>	Review
Week 9	Ch. 8 Continued Lessons 5-9	<b><u>TSW solve problems with:</u></b> 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)



3rd Quarter (43 Days)			
Resources: Algebra 1 (McGraw Hill)			
Week	Unit/Lesson	Learning Objectives	Reporting Categories ( TEKS)
Week 1	Ch 9- Quadratic Functions and Equations Lessons 1-4	<b><u>TSW solve problems with:</u></b> 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)
Week 2	Ch 9 Continued Lessons 5-7	<b><u>TSW solve problems with:</u></b> Solving Quadratic Equations by Using the Quadratic Formula Analyzing Functions with Successive Differences	A.8 (A) (B) A.9(E)
Week 3	Review	<b>Review and Assessment</b>	Review
Week 4	Ch 10- Radical Functions and Geometry Lessons 1-3	<b><u>TSW solve problems with:</u></b> Square Root Functions Simplifying Radical Expressions Operations with Radical Expressions	A.11 (A)
Week 5	Ch 10 Continued Lessons 4-6	<b><u>TSW solve problems with:</u></b> Radical Equations The Pythagorean Theorem Trigonometric Ratios	A.11 (A)
Week 6	Ch 11- Rational Functions and Equations Lessons 1-4	<b><u>TSW solve problems with:</u></b> Inverse Variation Rational Functions Simplifying Rational Expressions Multiplying and Dividing Rational Expressions	A.10 (C )
Week 7	Ch.11 Continued Lessons 5-8	<b><u>TSW solve problems with:</u></b> Dividing Polynomials Adding and Subtracting Rational Expressions Mixed Expressions and Complex Fractions Rational Equations	A.10 (C )
Week 8	Chapter 12- Statistics and Probability Lessons 1-4	<b><u>TSW solve problems with:</u></b> Samples and Studies Statistics and Parameters Distribution of Data	



**3rd Quarter (43 Days)**

**Resources:**  
Algebra 1 (McGraw Hill)

Week	Unit/Lesson	Learning Objectives	Reporting Categories ( TEKS)
		Comparing Sets of Data	
Week 9	Ch. 12 Continued Lessons 5-8	<b>TSW solve problems with:</b> Simulation Permutations and Combinations Probability of Compound Events Probability Distributions	

**4th Quarter (46 Days)**

**Resources:**  
Algebra 1 (McGraw Hill)

Week	Unit/Lesson	Learning Objectives	Reporting Categories ( TEKS SEs)
Week 1	Review and assessment	Review and Assessment	Review
Week 2	Review and assessment	Review and assessment	Review
Week 3	Review and assessment	<b>STAAR TBD:</b>	Review
Week 4	Math Labs and Projects	Review	Review
Week 5	Review and assessment	Review and assessment	Review
Week 6	Math Labs and Projects	Review	Review
Week 7	Math Labs and Projects	<b>STAAR TBD:</b>	Review
Week 8	Review and assessment	<b>Review</b>	Review
Week 9	Review and assessment	Review and Assessment	Review
Week 10	Graduation Preparation	Review	Review