


Algebra 2 - 1st Six Weeks 2023-2024


TEKS (ongoing) 2A1A, 2A1B, 2A1C, 2A1D, 2A1E, 2A1F, 2A1G

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8/14	8/15	8/16	8/17	8/18
Teacher Workday Student Holiday	Teacher Workday Student Holiday	First Day of School Syllabus day What does group work look like? 1001 pennies, Four 4s, Tax Collector	More on Group Thinking Split 25, Tax Collector, Name the Game	Algebra 1 Review In groups Order of Operations, Solving Equations, Solving Inequalities Wrap up group dynamics expectations
8/21	8/22	8/23	8/24	8/25
Solving Equations	Word Problems and Modeling	Solving Inequalities	Inequalities and Interval Notation 2A2A	Quiz – Writing and Solving Equations
8/29	8/29	8/30	8/31	9/1 Progress Reports
Writing Solutions as Intervals with Interval Notation 2A2A	Review	Test	Solving Compound Inequalities and writing intervals	Compound Inequalities Math Lib
9/4	9/5	9/6	9/7	9/8
Holiday 	Inequalities and word problems	Absolute Value Equations	Absolute Value Inequalities	Absolute Value Equations and Inequalities Math Lib and Coloring Sheet
9/11	9/12	9/13	9/14	9/15
Review	Test	Domain and Range in Relations 2A2A	Linear Functions, Function Notation 2A2A	Function Notation with algebra and Word Problems
9/18	9/19	9/20	9/21	9/22
Linear Equations Review of Slope intercept form	Quiz – Doman, Range, Function Notation, Linear Functions	Linear Equations Point Slope Form	Linear equations Standard Form	Linear Regression on the Calculator 2A8A, B, C

2nd Six Weeks 2023-2024

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9/25	9/26	9/27	9/28 Early dismissal	9/29
Linear Regression on the Calculator 2A8A, B, C	Quiz	Review of Systems of Equations Solve Systems by Graphing - Types of Solutions 2A3C 2A3B	Homecoming Pep Rally during class	Ft. Bend County Fair 
10/2	10/3	10/4	10/5	10/6
Review How to write linear equations	REQUIZ – Linear Equations	Solve Systems by Elimination 2A3C 2A3B	Solve Systems with Word Problems 2A3C 2A3B	Quiz – Systems (Lights out at school)
10/9	10/10	10/11	10/12	10/13
Review	Test Day 1	TEST Day 2	Austin County Fair 	Austin County Fair 
10/16 Progress Report	10/17	10/18	10/19	10/20
Solve 3 var Systems 2A3A	Matrices 2A3A 2A3B	Matrices 2A3A 2A3B	Solve 3 var Systems 2A3A With matrices Matrices 2A3A 2A3B	Quiz – Solving 3 variable Systems with matrices
10/23	10/24	10/25	10/26	10/27
PSAT	Solve Linear Inequalities and Systems of Linear Inequalities 2A3E F G	Review	Test – 3 variable systems with a matrix Part 1	Pep Rally took most of the period Finish Part 1 of test
10/30	10/31	11/1	11/2	11/3
Solve Systems of Linear Inequalities Math Lib 2A3E F G	Test –linear inequalities and systems of linear inequalities Part 2	Linear Programming 2A3E F G	Linear Programming Choice Board 2A3E F G	Function Vocabulary 2A2A B C 2A4C 2A5A 2A6A C

3rd Six Weeks 2023-2024

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
11/6	11/7	11/8	11/9	11/10
Function Vocabulary Parent Functions 2A2A B C 2A4C 2A5A 2A6A C	Function Vocabulary Parent Functions 2A2A B C 2A4C 2A5A 2A6A C	Function Vocabulary Parent Functions 2A2A B C 2A4C 2A5A 2A6A C	Generic Transformations 2A2A B C 2A4C 2A5A 2A6A C	Generic Transformations 2A2A B C 2A4C 2A5A 2A6A C
11/13	11/14	11/15	11/16	11/17
Generic Transformations worksheets	Quiz Generic Transformations	Graph Absolute Value parent function with transformations 2A2A, 2A6C, D, E, F	Absolute Value Stained Glass 2A2A, 2A6C, D, E, F	Absolute Value Project on computer 2A2A, 2A6C, D, E, F
11/20	11/21	11/22	11/23	11/24
 THANKSGIVING BREAK				
11/27	11/28	11/29	11/30	12/1 Progress Reports
Absolute Value Project Due	Absolute Value Quiz Graphing with transformations	Review	Test Function Vocabulary Transformatons Parent Functions	Quadratic Parent Function and Standard Form 2A2A, 2A4A B C D
12/4	12/5	12/6	12/7	12/8
Quadratic Function Standard form 2A2A, 2A4A B C D	Vertex Form of Quadratic 2A2A, 2A4A B C D	Standard and Vertex Form Card Sort	Piecewise Functions with Linear and Quadratic parts with domain and range 2A2A	Quiz – Parabolas Non Linear Systems of Equations and Inequalities 2A2A, 2A4A B C D
12/11	12/12	12/13	12/14	12/15
Quadratic Function Standard form Conversions from one form to another 2A2A, 2A4A B C D	Quadratic Function Standard form Conversions from one form to another 2A2A, 2A4A B C D Writing quadratic equations from points	Test Unit 3 – All Transformations, Absolute Value and Quadratic Functions	Semester Review	Semester Review
12/18	12/19 Early Dismissal	12/20 Early Dismissal	12/21 Early Dismissal	12/22
Semester Review	SEMESTER EXAMS	SEMESTER EXAMS	SEMESTER EXAMS	SCHOOL HOLIDAY

4th Six Weeks 2023-2024

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
1/8	1/9	1/10	1/11	1/12
Teacher Workday Student Holiday	Factoring Review – multiply monomials, binomials, factor GCF Factor trinomials a = 1 2A 4 F G H 2A 7 E	Factoring Review – Factor trinomials a > 1 2A 4 F G H 2A 7 E	Factoring Coloring Sheet 2A 4 F G H 2A 7 E	Factor Trinomial Quiz
1/15	1/16	1/17	1/18	1/19
MLK Day Holiday	Bad weather day	Factor difference of squares and Factor 4 Terms. 2A 4 F G H 2A 7 E	Solve Quadratics by Graphing 2A 4 C D F G H	All Factoring Quiz
1/22	1/23	1/24	1/25	1/26
Solve Quadratics by Factoring 2A 4 C D F G H 2A 7 E	Review	Test – Solving Quadratics and Factoring	Solve Quadratics by square roots 2A 4 C D F G H	Complex Numbers Simplify add subtract 2A 7 A
1/29 Progress Reports	1/30	1/31	2/1	2/2
Complex Number Operations Multiply and divide 2A 7 A	Complex Number Operations Multiply 2A 7 A	Solve by Square Root and Solve for Non Real Solutions 2A 4 C D F G H 2A 7 A	Quiz – Complex Numbers and Solving for Complex Roots	Complex Number Operations Divide 2A 7 A
2/5	2/6	2/7	2/8	2/9
Scavenger hunt 2A 7 A	Solve by Completing the Square 2A 4 C D F G H	Solve by the Quad Formula 2A 4 C D F G H	Work Day with complex numbers and solving using the square root method	Review all methods of solving
2/12	2/13	2/14	2/15	2/16
TEST – Solving Quadratics	TEST --- Solving Quadratics and complex numbers	Quadratic Applications with Geometry Notes examples 2A 8 A B C	Quadratic Regression 2A 8 A B C	More geom application – work in class Intro to Projectile Motion

5th Six Weeks 2023-2024

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
2/19	2/20	2/21	2/22	2/23
President's Day Student Holiday Teacher Workday	Projectile Motion 2A 4 E	Projectile motion on calculator 2A 4 E	Systems of Nonlinear Equations 2A 3 A C	Quiz Applications of Quadratics, Projectile Motion, Quad Regression
2/26	2/27	2/28	2/29	3/1
Laws of Exponents Classify Polynomials 2A 7 A B C D E	Factoring Review Factor sum and difference of cubes 2A 7 A B C D E	Factoring Mystery Code 2A 7 A B C D E	Quiz – Laws of exponents, Factoring	Characteristics of Polynomial Functions End Behavior HW#3 pg 11-12 2A 2 A
3/4	3/5	3/6	3/7	3/8 Progress Reports
Review	TEST	Characteristics of Polynomials Zeros, Multiplicity Pgs 13-14 HW#4 pg 15-16 2A 2 A 2A 6 A	Polynomial Functions Mystery Code Activity pg 17-20 2A 2 A 2A 6 A	Homework #5 Solving Polynomial Equations pg 21-22 2A 2 A 2A 6 A
3/11	3/12	3/13	3/14	3/15
	SPRING BREAK			
3/18	3/19	3/20	3/21	3/22
Solving Polynomial Equations Math Lib pg 23-24 2A 7 A B C D E	Dividing Polynomials Divide by monomial and Binomial with remainders HW#6 pg 25-26 2A 7 A B C D E	Dividing Polynomials with synthetic division Pg 27-HW#7 28 2A 7 A B C D E	Quiz – Solving Polynomial Equations and Long and Synthetic Division	Function Operations and Composition of Functions HW#9 pg 29 and Maze pg 33 2A 2 B
3/25	3/26	3/27	3/28	3/29
Function Operations and Composition of Functions HW#9 pg 29 and Maze pg 33 2A 2 B D	Review	CBA Test – Polynomials Functions	Review of Radicals Notes and Pg 1-2 2A 4 C E F G 2A 6 A B	Easter Holiday 
4/1	4/2	4/3	4/4	4/5
Teacher Workday Student Holiday	Simplify Radicals 2A 4 C E F G 2A 6 A B	Simplify Rational Exponents Pgs 3-5 2A 4 C E F G 2A 6 A B 2A 7 H	Quiz – Simplify Radicals 2A 4 C E F G 2A 6 A B 2A 7 H	Add/Sub/Multiply Radicals Pg 6 2A 4 C E F G 2A 6 A B 2A 7 H

6th Six Weeks 2023-2024

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
4/8	4/9	4/10	4/11	4/12
English I STAAR Divide Radicals Pg 7-8 pg 9-10 2A 4 C E F G 2A 6 A B 2A 7 H	Review of all operations QUIZ	Finish Quiz - Solve Radical equations 2A 4 C E F G 2A 6 A B 2A 7 H	Solve Radical Equations Pg 13-14 2A 4 C E F G 2A 6 A B 2A 7 H	Graph Square Roots and Cube Roots Pags 15-20 2A 4 C E F G 2A 6 A B 2A 7 H
4/15	4/16	4/17	4/18	4/19
Inverses pg 21-26 2A 2 B C D	Review	Test – All Radical Functions	Simplify Multiply Divide Rationals 2A 6 G H I J k	Add/Subtract Rationals 2A 6 G H I J k
4/22	4/23	4/24	4/25	4/26 Progress Reports
Complex Fractions 2A 6 G H I J k	Applications 2A 6 G H I J k	Solve Rationals 2A 6 G H I J k	Variation 2A 6 G H I J k	Review
4/29	4/30	5/1	5/2	5/3
TEST	Exponents 2A 5 A B C D E	Exponents and Logs 2A 5 A B C D E	Logs 2A 5 A B C D E	Log Properties 2A 5 A B C D E
5/6	5/7	5/8	5/9	5/10
Solve Log and Exponent Equations 2A 5 A B C D E	Applications of Logs and exponents 2A 5 A B C D E			
5/13	5/14	5/15	5/16	5/17 Early Dismissal
				Graduation
5/20	5/21 Early Dismissal	5/22 Early Dismissal	5/23 Early Dismissal	5/24
			Last Day of School	Student Holiday Teacher Workday

