

Algebra 2

2025-2026

1st 9 Weeks

Monday	Tuesday	Wednesday	Thursday	Friday
August 18	19 1st Day of School	20 Topic 1-1 Operations with Polynomials	21 Topic 1-2 Domain and Range	22 Topic 1-3 Function Key Attributes
25 Topic 1-1 thru 1-3 Review	26 Topic 1-1 thru 1-3 Quiz	27 Topic 1-4 Composition of Functions	28 Topic 1-5 Inverse Functions	29 Topic 1-6a Relationships of Functions & Inverses Day 1
September 1 Labor Day NO SCHOOL	2 MAP Testing	3 MAP Testing	4 Topic 1-6b Relationships of Functions & Inverses Day 2	5 Topic 1-4 thru 1-6 Quiz
8 Unit 1 Intro to Functions Review	9 Unit 1 Intro to Functions Unit Assessment	10 Absolute Value Transformations 2-1a	11 Absolute Value Transformation with Graphs 2-1b	12 Solving Absolute Value Day 1 2-2a
15 Solving Absolute Value Day 2 2-2b	16 Mix it up Review 2-1 & 2-2	17 Absolute Value Functions Quiz 2.1-2.2	18 Solving Absolute Value Inequalities 2-3a	19 Solving Absolute Value Inequalities 2-3b

22 Solving Absolute Value Inequalities Word Problems 2-4	23 Eduphoria Practice Absolute Value Inequality Graphing	24 Mix It Up Review	25 Absolute Value Functions Quiz 2.3-2.4	26 Fair Day NO SCHOOL
29 Absolute Value Functions Assessment Review	30 Absolute Value Functions Unit Assessment	October 1 Solving Systems Substitution 3-1a	2 Solving Systems Substitution 3-1b	3 Khan Academy
6 Solving Systems Elimination 3-2	7 Mix It Up Review 3-1 thru 3-2	8 Substitution and Elimination Quiz 3.1-3.2	9 Applications of Systems 3-3	10 Khan Academy
13 Student Holiday Teacher PD	14 Applications of Systems using technology 3-4	15 Solving Systems of Equations in 3-Variables 3-5	16 Mix It Up Review 3-3 thru 3-5	17 Khan Academy

2nd 9 Weeks

Monday	Tuesday	Wednesday	Thursday	Friday
October 20 Solving Systems of Linear Inequalities 3-6	21 Applications of Systems of Linear Inequalities 3-7	22 PSAT/NMSQT Test Day	23 Systems of Equations & Inequalities Review	24 Systems of Equations & Inequalities Unit Assessment 3
27 Vertex Form/Key Attributes 4-1A	28 Writing Equations in Vertex Form 4-1B	29 Graphing and Analyzing Quadratics in Standard Form 4-2A	30 Writing Equations from Standard to Vertex Form & word problems 4-2B	31 Mix-It-Up Review Extra Practice 4.1-4.2
3 Topic 4.1-4.2 Quiz	4 Quadratic Regression with Tables Topic 4-3a	5 Quadratic Regression with Word Problems Topic 4-3b	6 Focus & Directrix Topic 4-4a	7 Focus & Directrix Topic 4-4b
10 Student Holiday Teacher PD	11 Mix-It-Up Review Extra Practice 4.3 - 4.4	12 Topic 4.3 - 4.4 Quiz	13 Graphs of Quadratic Functions Review	14 Graphs of Quadratic Functions Unit Assessment 4
17 Factoring where $a=1$ and $a>1$ 5-1a	18 Factoring with patterns 5-1b	19 Solving Quadratics by Factoring 5-2a	20 Solve Quadratics by Graphing & Completing the Square 5-2b	21 Solving Quadratics by Quadratic Formula (real solutions) 5-2c
24 Thanksgiving Break	25 Thanksgiving Break	26 Thanksgiving Break	27 Thanksgiving Break	28 Thanksgiving Break
December 1 Mix it Up Review	2 Quiz 5.1-5.2	3 Quadratic Inequalities 5-3a	4 Quadratic & Linear Systems of Equations	5 Operations with Complex Numbers

			5-3b	5-4a
8 Quadratic Formula with Complex Solutions 5-4b	9 Mix it Up Review	10 Solutions of Quadratic Equations Unit 5 Review	11 Solutions of Quadratic Equations Unit Assessment 5	12 Makeup Day (Last day to turn in assignments)
15 Final Review Day 1	16 Final Review Day 2	17 Finals	18 Finals	19 Finals

3rd 9 Weeks

Monday	Tuesday	Wednesday	Thursday	Friday
January 5 Student Holiday Teacher PD	6 MAP TESTING	7 MAP TESTING	8 Topic 6-1 Parent Function/Key Attributes	9 Topic 6-2a Transformation Day 1
12 Topic 6-2b Transformation Day 2	13 Topic 6-3a Inverses Day 1	14 Topic 6-3b Inverses Day 2	15 Topic 6-1 thru 6-3 Mix-it up	16 Topic 6-1 thru 6-3 Quiz
19 MLK Jr. Day NO SCHOOL	20	21 Topic 6-4a Simplifying Radicals	22 Topic 6-4b Simplifying with Rational Exponents	23 Topic 6-5a Solving Radicals
26 Topic 6-5b Solving Radicals	27 Topic 6-4 thru 6-5 Mix-it Up	28 Topic 6-4 thru 6-5 Quiz	29 Unit 6 Review	30 Square Root, Cube Root, & Cubic Functions Unit Assessment
February 2 Topic 7-1a Factoring - Sum & Difference of Cubes Day 1	3 Topic 7-1b Factoring - Sum & Difference of Cubes Day 2	4 Topic 7-1c Factoring - GCF w/ Sum & Difference of Cubes Day 3	5 Topic 7-2 Polynomial Long Division	6 SAT Prep
9 Topic 7-3 Polynomial Synthetic Division	10 Polynomial Long Division and Synthetic Division	11 Mix It Up Review	12 Quiz	13 Student Holiday Teacher PD

	Practice			
16 Presidents Day NO SCHOOL	17 Topic 7-4a Zeros and Multiplicity of Polynomial Functions Day 1	18 Topic 7-4b Zeros and Multiplicity of Polynomial Functions Day 2	19 Topic 7-5 Solving Polynomial Functions	20 SAT Prep
23 Mix It Up Review	24 Quiz	25 Polynomial Functions Review	26 Polynomial Functions Unit Assessment	27 SAT Prep
March 2 Topic 8-1 Key Attributes of Rational Functions	3 Topic 8-2 Asymptotes of Rational Functions	4 Topic 8-3 Transformations of Rational Functions SAT Test Day	5 Key Attributes & Transformations Activity	6 SAT Prep (campus day of unplugging)

4th 9 Weeks

Monday	Tuesday	Wednesday	Thursday	Friday
March 16 Topic 8-4b Adding & Subtracting Rational Functions Day 2	17 Topic 8-5 Multiplying & Dividing Rational Functions	18 Topic 8-6 Solving Rational Functions	19 Topic 8-7a Direct & Inverse Variation	20 Topic 8-7b Applications of Rational Functions
23 Topic 8-4 thru 8-7 Mix It Up Review	24 Topic 8-4 thru 8-7 Quiz	25 Rational Functions Review Day 1	26 Rational Functions Review Day 2	27 Rational Functions Unit Assessment
30 Topic 9-1 Exponential Functions Key Attributes	31 Topic 9-2 Transformations of Exponential Functions *Eduphoria assignment	April 1	2	3 Good Friday NO SCHOOL
6 Good Friday NO SCHOOL	7	8	9 <u>English I & English II EOC</u>	10 Topic 9-3 Applications of Exponential Functions (*Vernier Dataquest)
13 Topic 9-4 Formulating Exponential Functions (Growth/Decay)	14 Topic 9-5 Solving Exponential Functions	15 Topic 9-6 Compound Interest	16 <u>US History & Biology EOC</u> Exponential Functions Review	17 Exponential Functions Unit Assessment
20	21 Topic 10-1 Logarithmic Functions Exp/Log Rewrite and Rules	22 <u>Algebra EOC</u> Topic 10-2 Logarithmic Functions Key Attributes (Log, ln, and e)	23 Topic 10-3 Logarithmic Functions Transformations (only Logs)	24 Bad Weather Day NO SCHOOL

27 Topic 10-4a Inverses of Logarithmic Functions Day 1	28 Topic 10-4b Inverses of Logarithmic Functions Day 2	29 Mix It Up Review Logarithmic Functions	30 Topic 10-1 thru 10-4 Quiz	May 1 Make-Up Day *Corrections, Make-ups, Missing/Late work*
4 Topic 10-5 Solving Logarithmic Equations	5 Topic 10-6 Applications of Logarithmic Functions	6 Logarithmic Functions Review	7 Logarithmic Functions Unit Assessment	8 Make-Up Day
11 Final Exam Review	12 Final Exam Review	13 MAP Testing	14 MAP Testing *Senior Finals	15 Final Exam Review *Senior Finals
18 Final Exam Review	19 Final Exams 1st & 7th	20 Final Exams 3rd & 5th	21 Final Exams 2nd, 4th, & 6th	22 Teacher Work Day