Text Website: Eureka Math² Algebra 1

Algebra 2025-2026 (Essential Standards Covered)

August: **School/Classroom Administration**
- Rules, Classroom Expectations, Grading Policies

Module 1 Expressions, Equations, and inequalities in one variable (4 weeks)
(APR.1, SSE.2, CED.1, CED.3, CED.4, REI.3, REI.1, REI.3, NQ.1)
- Add, Subtract, and Multiply polynomial expressions
- Solve equations in one variable
- Literal Equations
- Solve inequalities in one variable
- Compound Statements Involving equations and inequalities,
- Absolute value equations and inequalities
- Dimensional Analysis

(Topic D Univariate Data will be covered later in the year. Save Textbook)

September **Module 2 Equations, and inequalities in Two Variables (4 weeks)**
(CED.2, CED.3, REI.5, REI.6, REI.10, REI.12)
- Writing and Graphing Systems of Equations
- Creating equations in two variables
- Solve by Substitution, Elimination
- Solving Systems of Inequalities with two Variables
- Solve by graphing systems
- Application of linear systems

(Topic C & D Bivariate Data will be covered later in the year. Save Textbook)

October **Module 3 Functions and their Representations (5 weeks)**
(IF.1, IF.2, IF.4, IF.5, IF.7, IF.9, BF.1, BF.3, REI.11)
- Functions and their graphs
- Interpreting functions
- Comparing functions

November
- Piece-wise functions

End 1st Trimester
- Transformations of functions

Module 4 Quadratic Functions (7 weeks)
RN.3, IF.4, IF.5, SSE.3, Q.2, IF.6, IF.7, IF.8, IF.9, BF.1, CED.1, CED.2, BF.3, CED.4, REI.4, REI.7, REI.11
- Quadratic functions and their graphs
- Vertical Motion problems
- Graphs of quadratic functions

December
- Solve equations by factoring
- Graphing factored form
- Complete the square
- Quadratic formula

Winter Break

January
- Graphing vertex form
- Creating quadratic equations
- Modeling with quadratic functions

Module 5 Linear and exponential functions (6 weeks)
RN.1, IF.2, IF.3, RN.2, SSE.2, IF.6, BF.2, BF.3, F.LE.1, LE.2, LE.3, LE.5, REI.11,
- Arithmetic and Geometric sequence

February
- Recursive and explicit functions
- Rational exponents
- Exponential functions and their graphs
- Writing equations for exponential functions
- Exponential Growth and decay

End 2nd trimester
- Comparing linear and exponential models

March **Module 6 (Parts of Module 1 and Module 2) (6 weeks) Statistics and Modeling with Functions**
ID.1, ID..2, ID.3, ID.5, ID.6, ID.7, ID.8, ID.9, NQ.1, NQ.2, BF.1, LE.1, LE.2,
- Distributions and shapes
- Standard Deviation

April
- Univariate Data
- Modeling Bivariate data
- Calculating/Analyzing residuals
- Correlations
- FrequencyTables

May
- **State assessments**
- Prepare for the class final
- Class Final