

Resource Algebra I Class Syllabus

School Year: 2025–2026

Instructor: Angela Richey

Grade Level: High School

Course Length: Full Year (2 Semesters)

Prerequisites: None

Software & Tools: i-Ready Math, Chromebook

** In person conferences/phone conferences are available anytime at the request of the parent.

Welcome!

Dear Parents and Guardians,

Students in Resource Algebra, receive the state-required Algebra I curriculum that has been modified and scaffolded so that students with a qualifying learning disability can access the same curriculum as their nondisabled peers. The curriculum is aligned with the Texas Essential Knowledge and Skills (TEKS) standards, ensuring instruction meets state requirements. These supports provide students with meaningful access to the curriculum and the opportunity to make progress toward grade-level expectations.

Learning Outcomes

Resource Algebra I is the foundation for all higher-level math. In this class, students will:

- Learn how to solve and graph equations and inequalities.
- Understand linear and quadratic functions.
- Use math to solve real-world problems.
- Strengthen problem-solving, organization, and reasoning skills.

Resource Algebra I follows the **Texas Essential Knowledge and Skills (TEKS)** standards and utilizes the **i-Ready Math curriculum** as the main resource.

Grading Policy

- **Daily Work & Participation – 60%**
(classwork, homework, practice, group activities)
- **Tests & Projects – 40%**
(chapter/unit tests, projects, major assignments)

Late work will be accepted with teacher approval. Retakes or corrections may be offered to support student mastery.

Attendance & Participation

- **90% Attendance Rule:** In order to receive credit for this class, Students must attend
 - a class for 90% of the time it's offered as well as earn a grade of 70 or higher.
-

Units of Study (major topics)

Unit 1 Expressions Equations, and Inequalities

Lesson 1 Represent Quantities and Relationships

Lesson 2 Reason about Solving Equations

Lesson 3 Linear Equations in Two Variables

Lesson 4 Linear Inequalities in One Variable

Unit 2 Function Concepts and Linear Functions

Lesson 5 Function Concepts

Lesson 6 Interpret Graphs of Functions

Lesson 7 Linear Functions

Lesson 8 Fit Linear Functions to Data

Lesson 9 Piecewise Functions

Unit 3 Systems of Linear Equations and Inequalities

Lesson 10 Solve Linear Systems by Graphing or Substitution

Lesson 11 Solve Linear Equations by Elimination

Lesson 12 Linear Inequalities in Two Variables

Lesson 13 Systems of Linear Inequalities

Unit 4 Sequences and Exponential Functions

Lesson 14 Sequences

Lesson 15 Graphs of Exponential Functions

Lesson 16 Model with Exponential Functions

Lesson 17 Compare Linear and Exponential functions

Lesson 18 Rational Exponents

Unit 5 Polynomials and Quadratic Functions

Lesson 19 Operations with Polynomials

Lesson 20 Graphs of Quadratic Functions

Lesson 21 Model with Quadratic Functions

Lesson 22 Factor Polynomials

Unit 6 Solving Quadratic Equations

Lesson 23 Quadratic Equations in One Variable

Lesson 24 Completing the Square

Lesson 25 The Quadratic Formula

Communication with Parents

- Grades will be posted in the online gradebook.
- Written notice of student's performance provided once every three weeks:

- Paper progress reports will be sent home mid-grading period.
 - Paper report cards will be sent home at the end of each grading period.
- Please email or call me anytime with questions or concerns.
- I value parent input and see our partnership as key to your child's success.