



Course Description: The fundamental purpose of Algebra 1 is to formalize and extend the mathematics that students learned in the middle grades. Students will deepen and extend understanding of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first-degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; and solving simple quadratic equations.

Attendance: Students are required to be in school every day. Students are responsible for communicating with their teachers to make up missed learning.

Course Expectations: Although not everything is graded, everything is important. In order to demonstrate growth and learning, students will need to:

1. Participate in class activities (take notes, work in a group, complete in class tasks, ask questions) without distractions (cell phones, games, etc.)
2. Use morning time and the teacher to seek help outside of class when needed.
3. Complete all assessments within teacher timelines.

Grading

Skyward Assessment (Grades) may include quizzes, labs, learning checks, tests, speeches, performances, and projects.

Final Grade	
A	100% - 90%
B	80% - 89%
C	70% - 79%
D	60% - 69%
F	0% - 59%

Calculations:

Final Grade Calculation	
Cumulative Grade	95%
Final Exam(s)	5%

Instructional Resources:

Savas, Desmos, Canvas, Pearson Textbook, Common Formative Assessment, Kahoot, Blooket, Classkick, Common Summative Assessment

Pacing:

Topic 1: Solving Equations + Inequalities	20 Periods
Topic 2: Linear Equations	14 Periods
Topic 3: Linear Functions	18 Periods
Topic 4: Systems of Linear Equations + Inequalities	16 Periods
Semester Review / Project?	4 Periods
Topic 6: Exponents + Exponential Functions (Supplement)	18 Periods
Topic 7: Polynomial and Factoring	18 Periods
Topic 8: Quadratic Functions	16 Periods
Topic 9: Solving Quadratic Functions	20 Periods
Topic 11: Statistics	13 Periods
Final Review	2 Periods
Semester Testing and Finals	2 Periods

Standards Covered:

Topic 1: Solving Equations + Inequalities

- A.CED.A.1
- A.CED.A.3
- A.CED.A.4
- A.REI.A.1
- A.REI.B.3
- F.BF.A.1
- N.Q.A.1
- N.Q.A.2
- N.RN.B.3

Topic 2: Linear Equations

- A.CED.A.1
- A.CED.A.2
- A.CED.A.3
- A.CED.A.4
- A.REI.B.3
- F.BF.A.1
- F.LE.A.2
- N.Q.A.2
- S.ID.C.7
- S.ID.C.7

Topic 3: Linear Functions

- F.BF.A.1
- F.BF.A.1.A
- F.BF.A.2
- F.BF.B.3
- F.IF.A.1
- F.IF.A.2
- F.IF.A.3
- F.IF.B.5
- F.IF.C.7
- F.LE.A.1
- F.LE.A.2
- S.ID.B.6
- S.ID.B.6.A
- S.ID.B.6.C
- S.ID.C.7
- S.ID.C.8
- S.ID.C.9

Topic 4: Systems of Linear Equations + Inequalities

- A.CED.A.2
- A.CED.A.3
- A.REI.C.5
- A.REI.C.6
- A.REI.D.12

Topic 6: Exponents + Exponential Functions (Supplement)

- A.LE.A.1.A
- A.SSE.A.1.B
- A.SSE.B.3.C
- F.BF.A.1
- F.BF.A.2
- F.BF.B.3
- F.IF.A.3
- F.IF.B.4
- F.IF.B.5
- F.IF.B.6
- F.IF.C.9
- F.LE.1.A.C
- F.LE.A.1
- F.LE.A.2
- F.LE.B.2
- N.Q.A.3
- N.RN.A.1
- N.RN.A.2

Topic 7: Polynomial and Factoring

- A.APR.A.1
- A.APR.A.2
- A.CED.A.2
- A.SSE.A.1
- A.SSE.A.1.B
- A.SSE.A.2
- A.SSE.B.3
- a.SSE.A.1.A

Topic 8: Quadratic Functions

- A.APR.A.1
- A.CED.A.2
- A.REI.D.10
- A.SSE.B.3
- F.BF.A.1.A
- F.BF.B.3
- F.IF.7.A
- F.IF.A.2
- F.IF.B.4
- F.IF.B.6
- F.IF.C.7
- F.IF.C.8
- F.IF.C.9
- F.LE.A.3
- S.ID.B.6.A
- S.ID.B.6.B

Topic 9: Solving Quadratic Functions

- A.APR.B.3
- A.CED.A.1
- A.CED.A.2
- A.CED.A.3
- A.REI.B.3
- A.REI.B.4
- A.REI.B.4.A
- A.REI.B.4.B
- A.REI.D.11
- A.SSE.A.1
- A.SSE.A.2
- A.SSE.B.3
- A.SSE.B.3.A
- A.SSE.B.4
- F.BF.A.1
- F.IF.C.7.C
- F.IF.C.8
- F.IF.C.8.A
- N.Q.A.3
- N.RN.A.2

Topic 11: Statistics

- A.REI.D.10
- F.IF.B.4
- S.ID.A.1
- S.ID.A.2
- S.ID.A.3
- S.ID.B.6