Student Responsibilities:

- \star Ask questions to deepen understanding
- ★ Engage in your learning
 - Take notes
 - Complete all assignments
- ★ Interact with your teacher and your classmates
 - Attend Office Hours during common lunch, especially if you are absent and need to make up any work.
- ★ Open your mind to new ways of thinking
- ★ Use what you have learned in prior math classes to acquire new knowledge

Grading:

- ★ 20% Classwork (Participation)
 - Daily Lesson Quiz
 - Quizizz
 - o Gimkit
 - Desmos Activities
 - Handouts
- ★ 20% Homework
 - Odd Numbered problems for assigned page on the due date
 - Even Numbered problems for the assigned page the day after it is due.
 - Speak with the teacher about extended time due to absences/extenuating circumstances.
- ★ 60% Assessments (Tests, Quizzes, etc.)

Materials and Access:

- ★ Google Classroom
 - NumWorks virtual Graphing Calculator
 - Desmos virtual Calculators (Scientific/Graphing)
 - Savvas Envision digital Student Materials
 - Quizizz Assignments
 - Student.Desmos.com
 - IXL.com
 - Gimkit.com
- ★ Printed Notes & Homework Packet

Topic 1Solving Equations and Inequalities

- 1-1 Operations on Real Numbers
- 1-2 Solving Linear Equations
- 1-3 Solving Equations with Variables on Both Sides
- 1-4 Literal Equations and Formulas
- 1-5 Solving Inequalities in One Variable

Topic 2 Linear Equations

- 2-1 Slope-Intercept Form
- 2-2 Point-Slope Form

2-3 Standard Form

Topic 3 Linear Functions

- 3-1 Domain and Range of Functions
- 3-2 Linear Functions
- 3-3 Transforming Linear Functions
- 3-4 Arithmetic Sequences
- 3-5 Scatter Plots and Lines of Fit
- 3-6 Analyzing Lines of Fit

Topic 4Systems of Linear Equations and Inequalities

- 4-1 Solving Systems of Equations by Graphing
- 4-2 Solving Systems of Equations by Substitution
- 4-3 Solving Systems of Equations by Elimination
- 4-4 Linear Inequalities in Two Variables
- 4-5 Systems of Linear Inequalities

Topic 7 Polynomials and Factoring

- 7-1 Adding and Subtracting Polynomials
- 7-2 Multiplying Polynomials
- 7-3 Multiplying Special Cases
- 7-4 Factoring Polynomials
- 7-5 Factoring x^2 + bx + c
- 7-6 Factoring $ax^2 + bx + c$

Topics 8 & 9 Quadratic Functions

- 8-1 Key Features of Graphs of Quadratic Functions
- 8-2 Quadratic Functions in Vertex Form
- 8-3 Quadratic Functions in Standard Form
- 8-4 Modeling with Quadratic Functions
- 9-1 Solving Quadratic Equations Using Graphs and Tables
- 9-2 Solving Quadratic Equations by Factoring
- 6-2 Radical Expressions
- 9-3 Solving Quadratic Equations Using Square Roots
- 9-4 Completing the Square
- 9-5 The Quadratic Formula and the Discriminant

Topic 10Working with Functions

- 5-1 The Absolute Value Function
- 5-2 Piecewise-Defined Functions
- 5-3 Step Functions
- 6-3 Exponential Functions
- 6-4 Exponential Growth and Decay
- 6-5 Geometric Sequences
- 10-1 The Square Root Function
- 10-2 The Cube Root Function
- 10-3 Analyzing Functions Graphically

Topic 11 Statistics

- 11-1 Analyzing Data Displays
- 11-2 Comparing Data Sets
- 11-3 Interpreting the Shapes of Data Displays

Algebra 1 Syllabus + Course Content

- 11-4 Standard Deviation
- 11-5 Two-Way Frequency Tables