

McKinley High School Algebra Common Core Year 1 of 2

2016-2017 Algebra Supply List

- 1) A **2 Inch Binder** (No Spiral Notebooks)
- 2) 5 Dividers
 - 1) Review
 - 2) Notes
 - 3) Homework
 - 4) Assessments/FALS
 - 5) Binder Checks
- 3) Lined Paper
- 4) Writing Utensil (Pen/Pencil)
- 5) TI-84+ Calculator-Texas Instruments
Available at: Walmart, Target, Office Max, Office Depot, Ebay, Amazon Approximate Cost: \$129.00
Or get the WABBIT APP on your Phone or Computer
(Not available on IPHONES)



Get Supplies ASAP!

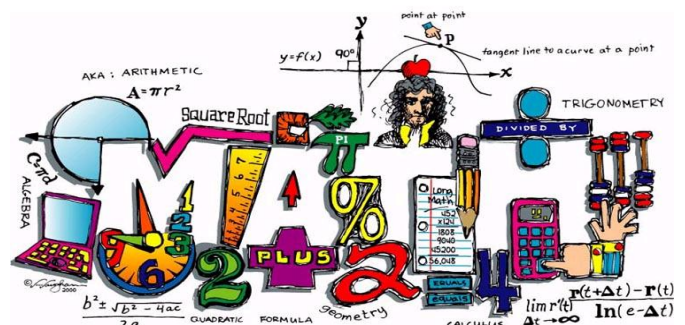
Class Expectations

Classroom Rules

- ◆ **Respect Your Learning**
(No electronics: aka cell phones, mp3 players, headphones, etc)
- ◆ **Respect The Classroom**
(No eating/drinking, etc)
- ◆ **Respect Yourself**
(Have dignity, follow the dress code, no hoodies)
- ◆ **Respect Your Teacher**
(No profanity, talking back)
- ◆ **Respect Your Classmates**
(No Bullying)

Grading Policy

- 45% Assessments (Tests/FALS)
- 40% Homework/Classwork
- 15% Binders (Class Organization)



What is Common Core?

The **Common Core State Standards Initiative** is an education initiative in the United States that details what **K-12** students should know in **English language arts** and mathematics at the end of each grade. The initiative seeks to establish consistent education standards across the states as well as ensure that students graduating from high school are prepared to enter credit-bearing courses at two- or four-year college programs or enter the workforce.

For mathematics, the stated goal of the standards is to achieve greater focus and coherence in the curriculum. The mathematics standards include **Standards for Mathematical Practice** and **Standards for Mathematical Content**.

The **Standards** mandate that eight principles of mathematical practice be taught in every grade from kindergarten to twelfth grade and they include:

1. Make Sense of Problem and Preserve in solving them
2. Reason abstractly and quantitatively
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

The **Content** includes these six conceptual *categories* of content to be covered at the high school level.

1. Number and quantity
2. Algebra
3. Functions
4. Modeling
5. Geometry
6. Statistics and Probability

Common Core Algebra Overview

Module 1

- 1) Introduction to Functions Studied This Year – Graphing Stories
- 2) The Structure of Expressions
- 3) Solving Equations and Inequalities
- 4) Creating Equations to Solve Problems

Module 2

- 1) Shapes and Centers and Distributions
- 2) Describing Variability and Comparing Distributions
- 3) Categorical Data on Two Variables
- 4) Numerical Data on Two Variables

Module 3

- 1) Linear and Exponential Sequences
- 2) Functions and Their Graphs
- 3) Transformations of Functions
- 4) Using Functions and Graphs to Solve Problems

Module 4

- 1) Quadratic Expressions Equations and Functions, and their Connections to Rectangles
- 2) Use Different Forms for Quadratic Functions
- 3) Function Transformations and Modeling

Module 5

- 1) Elements of Modeling
- 2) Completing the Modeling Cycle

What is a Module?

A Module is a set of related topics. Think of it as a Unit.

****Half the Material will be covered in 9th grade and the other half will be covered in 10th grade.**

****At the end of this school year you will take a district created Algebra Year 1 of 2 Exam.**

****At the end of your sophomore year you will take the Algebra Common Core Exam which is needed to graduate high school**

I have read and understand what is expected this school year!

Parent Name _____ Parent Signature _____ Date _____

Student Name _____ Student Signature _____ Date _____