

Algebra I 2019-2020

Fall 2019 - Session 1

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Objective:

A high-school level class in the language and practice of math, aligned with the Common Core Standards for 9th grade. This class will prepare students to successfully demonstrate their mastery of elementary algebra skills on high school placement tests. Equally important, this class will prepare students to use algebra to understand and solve real-world problems in math, science, and life.

Topics Covered:

- Relationships between quantities
 - Expressions, equations and functions
 - Linear equations
- Linear Relationships
 - Linear Functions
 - Equations of linear functions
- Linear Inequalities
 - Solving and graphing simple inequalities
 - Solving and graphing compound inequalities, or inequalities with absolute value.

Session 1 Project

Tabletop math game – better than chocolate covered broccoli.

Materials:

- **Textbook**
 - 2012 edition of Glencoe Algebra 1, ISBN: 9780076639236
- **Graphing Calculator**
 - TI-84 Plus
- **Misc**
 - Single-subject notebook, 100+ pages, graphing paper pages (as opposed to regular lines)
 - Pencil, eraser, ruler

Resources:

We will use Edmodo as a hub for class information, and will keep the class page up-to-date with assignments, schedules, feedback.