

## Middle School Algebra

### Session 2 M/W

Instructor: Laura Erlig

Objective: The Middle School Algebra course is designed to prepare students with the skills necessary for High School Algebra. The class uses the Glencoe Pre-Algebra text and other supplementary materials. In session 1, we will cover linear equations, inequalities, functions and graphing. They will also review and practice foundational math skills.

**Concepts covered in Session 2:** Chapters 8-9 will include Rate of Change, Slope Intercept Form, Writing Linear Equations, Best-Fit Lines, Solving Systems of Equations, Graphing Inequalities, Squares and Square Roots, Angles, Triangles, Pythagorean Theorem

Supplies needed: 1" 3-ring binder (separate from other classes), loose leaf paper, scientific calculator. *Cell phones will not be allowed in class to use for music or calculators.*

How to be successful in Middle School Algebra:

- Attend classes and participate
- Complete homework assignments and follow directions carefully. Get help when needed and ask questions.
- Keep all notes and homework assignments organized in your math binder. These binders will be checked regularly for completeness
- Homework assignments will be posted to google classroom rather than handed out in class. Students can view them online or print them if desired. **Students MUST have access to google classroom to access their textbook and homework assignments**
- A guide for how to set up homework will be discussed on the first day of class, and students must set up their homework assignments according to these guidelines for full credit unless homework is given out on a worksheet or in a workbook
- Check google classroom for assignments and announcements

Things to remember:

- Homework is due the next class after it is assigned
- There will be homework assigned after every class, and it will be updated on google classroom. Plan to do a minimum of 10 problems a day on average
- Do not be afraid to ask for help if you are struggling
- Stay organized and keep all assignments in order in your math binder for easy reference
- **Always show your work on problems for full credit**

Rubric:

- 40% Assessments (Quizzes and tests)
- 40% Independent practice (homework and classwork)
- 10% Attendance and Participation (being on time and prepared for class, actively asking and answering questions, being productive in class)
- 10% Math Notebook