

# **Mrs. Boehlke's**

## **Honors High School Intermediate Algebra**

Welcome! I am extremely excited about this school year and I am dedicated to doing my best in helping each student have a positive mathematics experience!

### **My Expectations:**

- ❖ Students will respect each other's right to learn.
- ❖ Students will arrive to class on time and come prepared.

### **Assessment:**

Students will be assessed on homework, which will be worth 5% of their grade. Tests will be worth 85% of their grade. The District Trimester Summative assessments will be worth 10% of their grade.

All assignments are due the next day. Late work will be accepted.

Since High School Intermediate Algebra is an above grade level course for 7<sup>th</sup> and 8<sup>th</sup> grade students, and critical for laying the foundation for remaining high school mathematics courses, it is strongly recommended that any student who does not demonstrate proficiency repeat the course. This would be based on common assessment performance (not demonstrating proficiency of 70% or higher on all three of the High School Intermediate Algebra District Trimester Common Assessments) and teacher recommendation based on classroom assessment data.

### **Grading:**

Through A-H Connect, you will be able to access your child's grades online. The grades you see online will be current as I update grades daily.

***\*\* Students will be receiving High School Honors credit for this course. Student grades will count towards their High School GPA and go on their High School transcript. \*\****

## Honors High School Intermediate Algebra Required Materials:

- Core Connections Algebra Textbook (to be kept at home)
- Pencil
- Loose leaf notebook paper
- 3-ring binder (1 inch)
- Calculator Information:
  - \*In *class*, a TI-84 Plus Graphing Calculator will be provided for each student to use.
  - \*At *home*, students will need to have access to a graphing calculator, graphing calculator website ([www.desmos.com](http://www.desmos.com)), or graphing calculator app. If students are interested in purchasing a graphing calculator, Anoka High School recommends a TI-84 Plus or TI-Nspire.
- Estimated time to be spent on homework each night = 45 minutes

## Topics to be covered this year:

- Functions
- Linear Relationships
- Simplifying & Solving
- Systems of Equations
- Sequences
- Modeling Two-Variable Data
- Exponential Functions
- Quadratic Functions
- Solving Quadratics & Inequalities
- Solving Complex Equations
- Functions & Data

\*\* Please feel free to contact me via email or telephone with any questions, comments, or suggestions.

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