



Mission: To offer inspiration through advanced instruction and authentic experiences.

Instructor: Donna McMichen, Ed.D.

Email me at dmcmichen@henry.k12.ga.us. Please allow 24 hours for a response.

Algebra II (Advanced Algebra) / Honors Algebra II (Advanced Algebra)

Algebra II / Advanced Algebra is the culminating course in three high school courses designed to ensure career and college readiness. It is designed to prepare students for fourth-course options relevant to their career pursuits.

Course Objectives

AAS associates will

- Communicate descriptive and inferential statistics by collecting, critiquing, analyzing, and interpreting real-world data
- Extend knowledge of quadratic solutions to include real and non-real numbers.
- Solve and graph polynomial functions and model real-world examples
- Analyze the behaviors of rational functions to model mathematical problems
- Explain and analyze structures and patterns for radical functions, and use radical expressions, equations, and functions to model real-world phenomena
- Explore and analyze structures and patterns of exponential and logarithmic functions
- Represent data and perform operations with matrices
- Create and solve linear equations that arise from matrices
- Develop an introductory understanding of the unit circle
- Solve trigonometric equations using the unit circle

Required Supplies

- Fully charged Chromebook
- Chromebook charger
- 3-ring binder
- Notebook paper
- Graph paper
- Pencils
- Colored Pencils
- Scientific or *Graphing calculator

You may complete this course with a scientific calculator; however, I highly recommend a graphing calculator. (*Suggested: TI-84 Plus CE*)

Expectations for Academic Success

- BE ON TIME – give yourself ample time to arrive in class and arrange your belongings.
- BE PREPARED – always arrive with assignments and supplies readily available.
- BE INVOLVED – participate in class discussions and try all practice problems.
- BE RESPECTFUL – speak kindly, listen to others, and debate professionally.
- BE READY – to make mistakes, take chances, challenge yourself, and learn.
- BE UNDISTRACTED - ensure electronics are away and earbuds are out during class

Dress and speak for success! Please follow all dress code regulations and refrain from using profanity or inappropriate language.

Grade Calculation

Summative Assessments = 40%	Formative Assessments = 40%
<ul style="list-style-type: none"> ● Authentic learning projects, exams, presentations, and unit assessments 	<ul style="list-style-type: none"> ● Practice Work: classwork, quick checks, ticket out the doors, participation and work completion grades.
Culminating Final Exam/Project	
<p><u>All courses</u> will have a culminating exam or project that assesses associate learning of the semester’s course content. This exam/project will be 20% of the overall course grade. There will not be any exemptions from the final exam/project.</p>	

Make-up Work

The associate will have the same days absent to complete the make-up work. Assignments, notes, and instructions are updated daily in Google Classroom and Dr. McMichen’s webpage. Associates are responsible for checking those assignments and asking for clarification when necessary. Hard copies will be available in a designated area.

Late Work Policy

You will be given a one-day grace period for assignments. Work is considered late after that one-day grace period. Late work can be submitted (with a possible 10% deduction) before the end of the unit. **After the unit assessment has been administered, no more work from that unit will be accepted.**

Weekly 100

Each week, you will receive a work completion and participation grade. The grade begins at 100%. Ten points will be deducted for each missing practice assignment. Five points will be deducted for each unexcused absence, tardy, and period of disengagement.



Please read the statement below and sign the appropriate lines at the page's bottom.

I _____ (associate/student name) certify that I have read and understood the syllabus in its entirety and understand the requirements stated within. I agree with all the policies stated above.

If you agree with the above statement, sign and date in the appropriate line below.

Associate signature: _____

Date: _____

Parent signature: _____

Date: _____

Let's make this a great year!

Dr. McMichen