

Algebra II Modified

One credit; full-year course; grades 11-12

Prerequisite: Passing grade in Geometry

This course includes an introduction to advanced algebra topics. The content covered includes fundamental operations with polynomials, rational equations and rational exponential equations. The polynomials unit will include algebraic concepts for linear functions, absolute value functions, quadratic functions, and the Fundamental Theorem of Algebra. The rational equations unit will explore the concepts of simplifying, solving and graphing rational functions. The rational exponential equations unit will explore the concepts of simplifying, solving, and graphing rational exponential functions. This class will also concentrate on ACT/COMPASS testing review skills. A scientific calculator is required for this course.

Course Objective

This Course is designed to explore the advanced principles of Algebra. The students will explore the ideas behind this mathematical branch and examine real world applications of algebra.

Instructor Information

Name: Bryan Medlin

Room Number: 242

Email: bmedlin@wacohi.net

Class Website – bmedlin@weebly.com

Devise Use

Electronic devices will be used in the instruction of this class. They are not to be used for social purposes during the class. The mandated guidelines for punishment will be followed for the improper use of these devices.

Grading Policy

Algebra 2

35% Formative Assessment (Homework/Projects)

65% Summative Assessment (Tests/Quizzes)

****Mathematics Department Policy States that there will be no credit for late work****

Class Guidelines

1. Be respectful to everyone involved in the class setting. Respect is a highway that goes from student to student, students to teacher and teacher to students.
2. Always come to class Prepared to learn, this meant to have the materials for the class at the ready, be prepared for quizzes and tests, and all homework completed. You are strongly encouraged to be in your seat and ready for class to begin when the bell sounds.
3. Take an active role in your education. I expect all students to focus their attention upon mathematics from the opening of the class period to the closing.
4. Obey all school rules

Materials Needed

Textbook- None

Notebook - Designated to mathematics use

Writing Utensil - pencil is **preferred**

A Calculator (preferably a TI-30XS Pro)

An open mind about expectations for the course and a good work ethic.