Honors Algebra II
Grand Haven High School

Course Number: E40A & B
Grade Level: 9th - 12th
Credits : 1 credit
Prerequisite Courses : Algebra I and Geometry

Course Description

Honors Algebra 2 reviews previously studied algebraic concepts. In addition, the student will study exponential expressions and equations, linear and quadratic relations and functions, sequences and series, matrices, trigonometry, probability and statistics. Algebra 2 is a recommended college preparatory class for students who wish to extend their mathematical skills and processes.

Course Objectives

The first semester will review concepts taught in Algebra I and build skills to solve systems of equations with two or more variables, exponential and logarithmic functions. The second semseter will focus on functions: power, inverse, trignometric and rational. We will also work with conics, probability and statistics.

Student Expectations

The students are expected to come prepared to class everyday. This would include bringing a pencil, paper and folder for assignments and notes. It is highly recommended that the provide their own graphing calculator. The suggested graphing calculator is a TI-83 or TI-84.

Communication

Teachers for this course may maintain a blog or website to assist students in their learning. Teachers will also be available through email contact and phone. Teachers may also provide separate classroom expectations and guidelines.

Grading Policy

Test: 60%
Quizzes: 25%
Assignments: 15%

Building Behavioral Expectations
TEAM GH … One Team, One Family, One Grand Haven. Be Kind. Always.
It is our expectation that ALL GHHS students, staff and parents will … always give their best **EFFORT** in everything that they do, work hard to be **INCLUSIVE** of each other, show **RESPONSIBILITY** in class, the hallways, cafeteria and at events, and **WORK TOGETHER** at all times!
GO BUCS

Scope and Sequence

1st Semester:

Expressions, Equations, and Inequalities
Functions, Equations, and Graphs
Linear Systems and Matrices
Quadratric Functions and Equations
Polynomials and Polynomial Functions
Radical Functions and Rational Exponents
Exponential and Logarithmic Functions

2nd Semester:

Rational Functions
Periodic Functions and Trigonomentry
Trigonometric Identies and Equations
Probablity and Statistics
Sequences and Series
Quadratic Relations and Conic Sections

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