

HHS MATH DEPARTMENT

COURSE: Honors Algebra 2 I/II

1034/1035 (NCAA)

RIGOR: **Accelerated**
(Above grade level)

Average
(On grade level)

Essentials
(Core concepts)

Pre-requisites: B- or higher in Honors Geometry

Course Description: This course is an extension of algebra topics including linear, quadratic, polynomial, rational, exponential, logarithmic functions, conic sections, and probability.

Course Syllabus:

Semester 1

Chapter 1	Linear Functions
Chapter 2	Quadratic Functions
Chapter 3	Quadratic Equations and Complex Numbers
Chapter 4	Polynomial Functions
Chapter 5	Rational Exponents and Radical Functions
Chapter 6 (6.1-6.4)	Exponential and Logarithmic Functions

Semester 2

Chapter 6 (6.5-6.7)	Exponential and Logarithmic Functions
Chapter 7	Rational Functions
Chapter 8	Sequences and Series
Chapter 10 (10.1 – 10.6)	Probability
Chapter 9 (9.1-9.3)	Trigonometric Ratios and Functions
Chapter 11 (11.1-11.3, 11.5, 11.6)	Data Analysis and Statistics
Chapter 12	Conic Sections

Minnesota Standards to be Mastered:

<http://education.state.mn.us/MDE/dse/stds/Math/>

Expected Homework: Daily assignments are due the next class period.

Late Work Policies: All homework must be completed by test day.

Grade Includes: Tests, Homework Quizzes, Homework