

HHS MATH DEPARTMENT

COURSE: Algebra 2 Essentials I/II

1032/1033

RIGOR: Accelerated
(Above grade level)

Average
(On grade level)

Essentials
(Core concepts)

Pre-requisites: Geometry Essentials

Course Description: This course is an extension of algebra topics including linear, quadratic, polynomial, rational, radical, exponential, logarithmic functions, sequences and series, probability, and statistics.

Course Syllabus:

Semester 1

Chapter 1 (1.1 – 1.4)

Chapter 2 (2.1 – 2.4)

Chapter 3 (3.1 – 3.6)

Chapter 4 (4.1 – 4.9)

Chapter 5 (5.1 – 5.6)

Chapter 6 (6.1 – 6.4)

Linear Functions

Quadratic Functions

Quadratic Equations and Complex Numbers

Polynomial Functions

Rational Exponents and Radical Functions

Exponential and Logarithmic Functions

Semester 2

Chapter 6 (6.5 – 6.7)

Chapter 7 (7.1 – 7.5)

Chapter 8 (8.1 – 8.5)

Chapter 10 (10.1 – 10.6)

Chapter 11 (11.1 – 11.6)

MCA Review

Exponential and Logarithmic Functions

Rational Functions

Sequences and Series

Probability

Data Analysis and Statistics

Minnesota Standards to be Mastered:

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

Expected Homework: Daily assignments are due the next class period. No late work!!!

Grade Includes: Tests, Quizzes, and Homework

*****Graphing Calculator Required (Suggested TI-84)*****