COURSE TITLE: Algebra 2 for the 21st Century

Level of Difficulty	Estimated Homework	Prerequisites
Moderate	0-30 Minutes	**District:** C or higher in Geometry CP C or higher in Geometry CVS **Department Suggestion:** C or higher in Geometry CP C or higher in Geometry CVS

Course Description:

This course studies main topics covered in Algebra 2 CP and combines various projects with the content to apply it to the real world. Algebra 2 for the 21st Century is a survey of math topics including the study of the following kinds of functions: linear, quadratic, polynomial, rational, exponential, logarithmic, trigonometric, and finishing with an introduction to probability. For each type of function, students will learn to simplify expressions, solve equations and graph functions. Algebra 2 for the 21st Century is designed for students who intend to make it the last math class of their high school career. The topics covered in this course are closely matched with the SAT and ACT tests, so it will be helpful for students studying to take one of these standardized tests.

Grading:

Students will be graded primarily on math test scores including chapter tests and a midterm or final. A smaller part of student grades will depend on the work ethic demonstrated by doing homework and classwork. In general, tests make up 85% of a student's grade and homework/classwork make up 15% of a student's grade. Syllabus: The course consists of approximately 8 units of instruction including: linear functions, quadratic functions, polynomial functions, rational functions, exponential and logarithmic functions, trigonometry, and probability. There will be at least one test per unit with some quizzes and a midterm or final exam. There will be approximately 30 minutes of homework almost every night.

Supplemental Information:

UC subject area "c"