Algebra I

Prerequisites: Open to all students
Level: 9th grade
Credits: 1.0 – Mathematics
Additional: This course is accepted as a math credit for h.s. graduation
                  This course is accepted as a math credit for college admission
                  This course is accepted as a math credit by the NCAA

Course Description
This course will consist of the mathematical concepts a student will learn in the subject area of Algebra I.

Course Outline

Chapter 1	Foundations for Algebra
Chapter 2	Solving Equations
Chapter 3	Solving Inequalities
Chapter 4	An Introduction to Functions
Chapter 5	Linear Functions
Chapter 6	Systems of Equations and Inequalities
Chapter 7	Exponents and Exponential Functions
Chapter 8	Polynomials and Factoring
Chapter 9	Quadratic Functions and Equations
Chapter 10	Radical Expressions and Equations
Chapter 11	Rational Expressions and Equations
Chapter 12	Data Analysis and Probability

Teaching Methods
In this class we will use a combination of lecture notes along with in-class activities to provide the students with the best opportunity to learn the material.

Assessment
The course assessments will be in the form of homework, quizzes, and tests. All of which will be followed by an end of semester final exam. Each one of these assessments will accurately measure a student's understanding of the lesson objectives.

<u>Texts</u>
We will be using the Pearson Algebra I books and adhering to the common core mathematics standards.