



ALGEBRA 32

Insert Teacher Name

Insert Room Number

Insert Full Year/Semester

Insert Period

Insert Email Address

COURSE DESCRIPTION

This second course in algebra furthers the students' skills in operation with real numbers, variables and algebraic properties. Algebra 32 extends the topics studied in Algebra 12 and prepares the students to take the new SATs that began in 2005. The concepts of relation and function are broadly expanded, while additional topics include a further exploration of powers and roots, expansion and application of systems of equations, exponential growth and geometric sequences, probability, matrices, negative and fractional exponents, exponential functions, complex numbers, absolute value, polynomial functions and their graphs, and quadratic relations and systems with an emphasis on problem solving and real-life applications.

COURSE OBJECTIVES

Students should:

- understand and describe patterns and functional relationships.
- represent and analyze quantitative relationships in a variety of ways.
- use operations, properties, and algebraic symbols to determine equivalence and solve problems.
- understand that a variety of numerical representations can be used to describe quantitative relationships.
- use numbers and their properties to compute flexibly and fluently, and to reasonably estimate measures and quantities.
- collect, organize and display data using appropriate statistical and graphical methods.
- analyze data sets to form hypotheses and make predictions.
- understand and apply basic concepts of probability.

UNITS OF STUDY

- Algebraic Connections
- Algebraic Expressions, Equations and Inequalities
- Functions and Relations
- Graphing
- Exponents, Radicals, and Logarithms

COURSE POLICIES AND REQUIREMENTS

GRADING

Summative Assessments:	Insert % Here (Minimum of 70%). Insert Categories/Weighting (ie. Papers – 30%)
Formative Assessments:	Insert % Here (Maximum of 30%). Insert Categories/Weighting (ie. Quizzes – 50%)
Behavioral Characteristics:	Insert % Here (Maximum of 10%). Insert Categories/Weighting (ie. Particip. - 90%)
Insert Additional Grading Information Here	

MATERIALS

Insert Course Materials Here (ie. Textbook, Binder, Calculator, Highlighters)

EXPECTATIONS OF STUDENTS

Insert Course Expectations Here

EXTRA HELP

Insert Course Expectations Here

Insert Additional Information Here