#### ALGEBRA 2 PRE-AP

Instructor: Bill Van Alstyne

Period: 4, 5, 6 Room: 2108

Instructor contact information:

Email address: <a href="www.analstyne@conroeisd.net">wwanalstyne@conroeisd.net</a> Phone number: 936-709-3250 (Academy office) Conference times: 9:07-9:53 A.M. or 1:49-2:35 PM

### Course requirements:

Keep a notebook of daily class lectures, worked examples, definitions, and assignments. Keep assignments, pop tests, projects, and other graded work for portfolio entries in a 3 ring binder. Be a proficient user of a graphing calculator (TI-83, TI-83+, TI84). Be ready to participate in group activities and discussions by working assignment problems prior to class. Students are expected to know and will be tested over algebra topics that are covered in the mixed review section.

Grading:

Major work: 70% Daily work: 30%

Major work will consist of 3 to 4 major tests and a portfolio turn-in for each nine weeks. Daily work will consist of 5 to 6 quiz grades, review problem packets, calculator labs, and notebook checks.

#### **Tutoring:**

Students needing help in algebra 2 may come in for tutoring in the morning from 7:00-7:15 A.M. or in the afternoons after school from 2:35-3:00 P.M...

## Portfolio:

Each math student will keep a portfolio of a minimum of four entries with comments for each nine week reporting period. The purpose of the portfolio is to reflect the progress the student is making through the school year. Portfolios are due during the last week of each grading period (week 8).

## Assignments:

Homework assignments are given on a chapter by chapter basis. Students are encouraged to work through the assignments at their own pace, however assignments to specified objectives will be checked on announced days. Students will be called on to present problems to the class. Each student needs to be prepared for the class each day. You must work homework problems for practice to work the problems on test day.

#### Tests:

Major tests will be a combination of teacher-made and standardized questions. Partial credit will be always be used on multi-step problems. Standardized test questions will include problems from STAAR as well as problems in the ACT or SAT format. Benchmark STAAR tests will be given on a schedule set by C.I.S.D. (usually a mid-year test).

# Retest Policy:

Retests will be given only for major tests with grades under 70.

A student is allowed only one retest for each nine week reporting period. The maximum score that can be earned for a retest is 80. Retests questions usually will address only the test objectives that were not mastered on the original test. Retests will require a conference with the teacher prior to retesting.

### Textbook:

Algebra 2, Larson, Boswell, Kanold, Stiff, 2007, McDougal, Littell

# Topic Sequence:

Fall Semester 2011

Chapter 2. Linear Equations and Functions

Chapter3. Linear Systems and Matrices

Chapter4. Quadratic Functions and Factoring

Chapter 5. Polynomials and Polynomial Functions

### Spring Semester 2012

Chapter 6. Rational Functions and Radical Functions

Chapter 7. Exponential and Logarithmic Functions

Chapter 8. Rational Functions

Chapter 9. Quadratic Relations and Functions (conic sections)

Chapter 12. Series and Sequences