

Central High School
Algebra I
Victoria Krones

Course Syllabus 2011-2012

Course Description: Algebra I is an introductory course for the study of higher mathematics. Topics include: the language of algebra, solving equations and problems, inequalities, products and factoring, systems of open sentences in two variables and quadratic equations. The course is double blocked with students earning two credits upon successful completion.

Required class materials: 3-ring binder, loose-leaf paper, pencils, dividers, book cover, scientific calculator.

Text: Algebra I (Carnegie Learning)

Course Outline:

- 1) Patterns and Multiple Representations
- 2) Proportional Reasoning, Percents, and Direct Variation
- 3) Solving Linear Equations
- 4) Linear Functions and Inequalities
- 5) Writing and Graphing Linear Equations
- 6) Lines of Best Fit
- 7) Systems of Equations and Inequalities
- 8) Quadratic Functions
- 9) Properties of Exponents
- 10) Polynomial Functions Rational Expressions (If time permits)

Grading: Daily homework, daily quizzes, chapter tests, binders/folders at the end of each chapter, attendance.

Classroom Routine: Check the agenda on the board, have homework questions ready when the bell rings, answer homework questions and collect homework, Carnegie Online, present new material, assignment given, daily quiz, guided study.

Make-up work: It is the student's responsibility to stop by my room and pick up make-up work when absent. The student must be prepared for the next class session, which includes getting notes and making up any missed quizzes/tests.

Contact Information: I arrive at school by 7:30 am and am available after school. My e-mail address is: vkrones@cusd4.org and can be reached by phone at 815-694-2321.