

Central High School
Algebra I
Carol Davidson
Course Syllabus

Course Description: Algebra I is an introductory course for the study of higher mathematics. Topics include: the language of algebra, solving equations and problems, polynomials, 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 Structure and Method Book I (Houghton Mifflin)

Course Outline:

- 1) Introduction of Algebra
- 2) Working with Real Numbers
- 3) Solving Equations and word problems
- 4) Polynomials
- 5) Factoring
- 6) Fractions and their Applications
- 7) Linear Functions and Graphing
- 8) Systems of Linear Equations
- 9) Inequalities
- 10) Rational and Irrational Numbers (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, 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 a make-up work form 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: cdavidson@cusd4.org and can be reached by phone at 815-694-2321.