

Syllabus

COURSE: Algebra 2, Grade 11, 5 units

Textbook: Algebra 2 ISBN: 0078228875

SEMESTER: Fall 2009

TIME/PLACE: W 2:00-3:00 Grizzly and R 1:30-2:30 Bonanza

INSTRUCTOR : Michael Sweeley Ext: 546, e-mail: msweeley@goldrushcs.com

REQUIRED MATERIALS:

- Lined paper
- Graph paper
- Ruler
- Binder (with dividers)
- Scientific or graphing calculator (TI 83/84 RECOMMENDED)

COURSE DESCRIPTION:

A variable is a generalization of a number, and algebra is a generalization of arithmetic. For example, suppose that Sarah is two years older than her brother, Fred. When Fred was 5, Sarah was 7. When Fred was 10, Sarah was 12. So, if Fred is x years old (any age), then Sarah is $x+2$ years old. We have generalized the arithmetic to obtain an algebraic expression for the age of each person. Algebra is a quantitative language.

Algebra 2, a continued study of algebra, works more with quadratic functions and introduces exponential and logarithmic functions. Other topics include matrices, conic sections, combinatorics, and sequences and series.

STUDENT RESPONSIBILITIES:

1. Bring book and binder to class each day.
2. Be respectful of the classroom environment. Be quiet during lessons and raise your hand to ask or answer questions. Keep noise to a reasonable level during group work.
3. Be patient. Learning algebra takes practice and perseverance.

GRADES: The final course grade is a weighted average with the following components:

Attendance, classwork, and participation	20%
Homework	30%
Quizzes	20%
Tests	30 %

NOTES ABOUT HOMEWORK:

- 1) Because we have only two class meetings per week, homework will be more important than with a traditional schedule.
- 2) Homework will be assigned on a per class basis. Students will be expected to write the assignments in their planners.
- 3) The following heading must be placed on the top-right corner of each assignment

Name
Date
Subject
Assignment
Assigned Instructor

GRADING SCALE:

A	90% -100%
B	80% -89%
C	70% -79%
D	60% -69%
F	0% -59%