

Scripps Ranch High School

ALEKS- Algebra 1-2

2008-2009

Teacher:

Peter Burrell; email address: pburrell@mail.sandi.net

Textbook:

California Algebra 1: Concepts and Skills, by Larson, Boswell et al. (cost approx. \$75.)

Course Description:

Algebra 1-2 is a course designed for students who've had difficulty with mathematics and were recommended for this class by their previous math teacher. The course will split time between instruction of selected algebraic topics and independent work on the ALEKS web based math program in the computer lab. Topics will include solving equations, inequalities, graphing functions, adding and multiplying polynomials, factoring quadratics.

Goals: STUDENTS WILL:

- use their problem-solving skills in data organization, looking for patterns, drawing diagrams, making systematic lists/ tables, discovering and solving sub-problems.
- work cooperatively to solve problems.
- write algebraic representations of functional relationships.
- use coordinate geometry as often as possible, particularly for the study of area, perimeter, transformations, congruence, and functions..
- use a scientific/ graphing calculator effectively and efficiently.
- communicate their mathematical understanding in clear conjectures, explanations, and/or justifications, both orally and in written form.

Achievement:

These goals will be achieved through a variety of classroom activities, computer web-based ALEKS, notebooks, homework, and assessment.

Daily Requirements:

Students should bring the following items to class everyday:

1. Homework.
2. Three ringed binder in which to keep examples, homework, paper, graph paper..
3. A scientific calculator (although a graphing calculator is recommended. A TI-83 is sufficient, a TI-84 Plus or TI-84 Silver Ed. is recommended if purchasing new).

Homework:

Homework will be assigned daily. With the block schedule, most days students will have **double** assignments. Students must budget their time and do Intermediate Algebra work daily. Students will receive about 2-3 hours HW weekly. Students may be given class time in which to begin an assignment. Homework can consist of classwork, bookwork, and/ or worksheets. All work should be done in pencil. Homework is due the at the beginning of the period of the next day the class meets. Late homework, due to excused absence, must be turned in within a week after the date of return. Credit is based on accuracy and effort. All appropriate work must be shown. Homework must be headed with: name, date, period, and assignment description.

Notebook Policy:

Even though the students will have a traditional textbook to refer to, it is extremely important that they keep an organized notebook.

Evaluation/ Scholarship:

Grades will be determined by assessments, homework, and projects in the following manner:

75-80% Tests, quizzes, computer progress and semester exam

20-25% Homework, Classwork

ALEKS COMPUTER WORK:

Students will be required to write all lab work in a composition book provided by the teacher. The lab book will be graded daily.

Citizenship:

Scripps Ranch High School Community members will treat each other respect and will demonstrate respect for the role each person plays in the school community. That is, adhere to the three B's:

- Be respectful
- Be in class on time
- Be prepared

Plagiarism:

I will enforce the [SRHS Academic Honesty Policy](#).

Attendance:

The mathematics staff of Scripps Ranch High School believes that an absence from class for whatever reason can only have a harmful effect on a student's progress and grades. Furthermore, the staff believes that punctuality is a trait worthy of development in every student for good citizenship. Therefore, scholarship and citizenship grades will be lowered and detention assigned as a result of accumulated truancies and/ or tardies.

Assistance:

I will try to be available twice a week for after school tutoring in room 750 from 2:10 to 3:00.

Report Cards:

- Semester 1- Oct. 23, Dec. 11, Feb. 20
- Semester 2- Mar 26, May 14, July 1.

Final Exam Dates:

- Fall Semester (Thurs, Fri.; Jan 29 & 30th)
- Spring Semester (Thur through Mon; June 11 through June 15)

Parent Connect:

Grades can be found using the

[SRHS Webpage](#)

linking you to Parent Connect. Accessing the online grades will require the students district ID number and a password issued by the school site technician. You will need to save the password in a safe place. If you already have a district password from either another school and/ or another child you will use the established password and the students ID number. Establishing a replacement for a lost password must be done manually by our site technician and you could face a delay in receiving the new password.

I will try to update the grades on a Biweekly time schedule.

[Download a printable pdf version of this syllabus.](#)