

Algebra 2 Syllabus

Teacher: Mrs. Schaub

Website: <https://sites.google.com/a/loyolacatholicschool.org/schaub>

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COURSE DESCRIPTION:

This course is the third of a three-year program to ready the student for a four-year college. Topics include further study of linear and quadratic equations, systems of equations, matrices, exponential and logarithmic functions, trigonometry, probability and statistics.

COURSE GOALS:

1. To lead each student to an understanding of the most important concepts of Algebra; giving a firm foundation for the further study of mathematics.
2. Each student must willingly invest the time and effort needed to understand the material and do the assigned exercises for skill development. Mathematics is not a course one can learn by simply observing the teacher.
3. To respect the right of each person to listen, to practice, and to learn without distraction.
4. To instill personal responsibility for ones own conduct and performance.

COURSE OBJECTIVES:

At the completion of this course, I will expect that the learner can:

- Understand Algebra as a study of the complex number system.
- Recognize the techniques of Algebra and Trigonometry.
- Use graphing technology as a tool to explore and gain further understanding in Algebra and Trigonometry.
- Comprehend the concept of a function and its importance.
- Understand the nature of problem solving.
- Prepare for other courses in mathematics.

DAILY REQUIREMENTS:

Each student is expected to bring the following items to class every day:

1. Textbook: **Algebra 2 with Trigonometry**, Prentice Hall, 2006.
2. Three-ring binder.
3. Pencil with eraser.
4. Scientific calculator.
5. Laptop computer.

ATTENDANCE AND MAKE UP WORK:

Absent students are responsible for all work covered during their absence. Notes are posted on the class website: <http://loyolamath.pbworks.com>. Students absent for 1 or 2 days have 1 day to make up the work. Students absent for more than 2 days have 2 days extra. If it is a **school absence**, like a field trip, music lesson, sports excuse, or suspension, hand in homework on time—**no extension** for missed day(s).

TECHNOLOGY:

Students will use the laptop computer as a tool to explore algebraic concepts using the Geometer's Sketchpad and the grapher software on the computer. They will also use the following website: <http://loyolamath.pbworks.com> for the weekly assignment schedule and for vocabulary notes, reviews or other class materials.

QUARTER GRADING:

Each quarter grade is a composite of Daily Homework Assignments, Quizzes, Tests, and Responsibility.

Daily Homework: 15% of the Quarter Grade.

- 2 points each.
- Homework will be assigned daily and discussed the following day.
- NO credit is given for late or incomplete work (except excused absences).

Quizzes: 25% of the Quarter Grade.

- Usually given about halfway through a unit of work..

Tests: 50% of the Quarter Grade.

- There is a test at the completion of each unit.
- Everyone has the opportunity to retest; but only after completing some corrective work.

Responsibility: 10% of the Quarter Grade.

- This category deals with completing required work on time.
- The points in this category is made up of completing a review before the unit test, taking the test on time, doing corrective work if needed, and taking a retest on time if needed.

SEMESTER GRADING:

Semester grades are determined using the following formula:

$$1^{\text{st}} \text{ quarter grade} \times 40\% + 2^{\text{nd}} \text{ quarter grade} \times 40\% + \text{Final exam} \times 20\%.$$

GRADE SCALE:

The grading scale is as follows:

Letter Grade	Percentage on Coursework	Percentage of Homework that must be handed in
A	94-100	100
A-	90-93	
B+	88-89	90
B	82-87	
B-	80-81	
C+	78-79	80
C	72-77	
C-	70-71	
D+	68-69	70

D	62-67	
D-	60-61	
F	0-59	---

EXTRA HELP:

In addition to two Guided study periods each week, I am available for individual help at the following times: 7:30-8:00 a.m. and 2:45-3:30 p.m. Occasionally, I will have scheduled meetings during these times.

ACT Practice

Those students taking the ACT test this school year will be able to take advantage of some ACT review sessions. Times will be posted in the classroom prior to the October 22, 2011 test and the February 11, 2012 test.

NOTE TO PARENTS:

Thank you for taking an interest in your child's learning by reviewing this letter yourself and with your child. I look forward to sharing this year with your child and challenging him/her to excel. I am attaching an article titled "Finding the Glory in the Struggle: Helping our Students Thrive when Math Gets Tough." The key point of the article is that the best way to help is to offer no help, only encouragement and support. You can reach me by email: sschaub@loyolacatholicschool.org or by phone: 388-2997 ext. 235. To ensure good communication, it would be very helpful if you would provide me with your email address, if possible.

Sincerely,

Mrs. Sue Schaub

Student signature _____

Parent/Guardian signature _____

Parent/Guardian email _____