

2007 ~ 2008 ALGEBRA 2 SYLLABUS

Teacher: Mr. Leckie
Room: 201
Course: Algebra 2
Textbook: *Algebra 2: Explorations and Applications*

COURSE CONTENT: Topics in previous algebra courses are built upon, and the additional topics of polynomials, rational, exponential, and logarithm functions, as well as, matrices, complex numbers, sequences and series, probability and statistics, and trigonometry are presented. Graphing calculators will be used to promote understanding of advanced concepts and develop graphical and numeric solutions. Problems are often linked to real – world applications and graphing, vocabulary, and technical writing will be emphasized..

STUDENT EVALUATION

Both formative and summative evaluations are used during this course. Summative evaluations are chapter exams and semester finals. Formative evaluations occur daily during class in the form of class discussion, problems worked on the board, quizzes, warm ups, and homework.

Grading: You will be given points for all assignments, but your 18 – week grade will be weighted with the following percentages:

- Homework/Classwork: 15%
- Quizzes: 20%
- Tests: 65%

Final:

- The Final exam will be cumulative and worth 25% of your semester grade.

SCALE: Grades will be posted as often as possible.

- 90 - 100% A

-----> Students earning an “A” or better may take Pre-Calculus or AP Stats next

- 80 - 89% B

- 70 - 79% C

-----> Students earning a “B” or “C” may take F.S.T. or AP Stats next year.

- 60 - 69% D

-----> Students earning a “D” or “F” must retake Algebra 2.

Homework/Classwork:

- Assignments will be given daily. Whether the assignments are intended to be completed in class, at home, individually or in a group will depend on the assignment.
- There will be assignments assigned for EVERY section. If you do not practice the concepts outside of class you are only hurting yourself.
- Homework will be corrected based on completeness only, but it is only beneficial if you make sure it is correct.
- Homework may be turned in one day late for 50% credit. Homework that is not turned in will keep you from taking group quizzes on those sections with anyone else.

Quizzes:

- Homework Quizzes will be given on a random basis.
- Homework quizzes may NOT be made up.
- Homework quizzes will only cover the last section covered.
- Quizzes covering multiple sections will be pre-announced.
- In the event there is a group quiz, any student who has not completed ALL assignments for the sections that quiz covers may not work in a group. They will need to complete the quiz individually.
- Make up quizzes are usually different than the original quiz.

Tests:

- Tests will usually be given after the completion of each chapter.
- A review sheet/problem set will typically be given for each test. It is highly suggested that you understand all topics listed.
- Tests usually will be given in two parts (with and without a calculator).
- Each chapter test will be weighted the same.
- Make up tests are usually different than the original exam.

TECHNOLOGY

One of the goals of this course is to familiarize students with the use and capabilities of a graphing calculator.

All students are required to have a calculator that is capable of doing the following:

- Graph functions
- Calculate the intersection of two curves
- Calculate the zeros of a function
- Perform Linear, Quadratic, Exponential, and Logarithmic Regression on a set of data
- Enter matrices and calculate matrix operations

In class instruction will be given using a TI-83+ and/or a TI-84+.

NOTE: The TI-89 or TI-92 is not allowed in this course.

CLASSROOM EXPECTATIONS:

#1: You are expected to be ON TIME. There are no bells, but the clocks are set to the exact time. Be here early, so you are ready to start at the right time.

#2: You are expected to treat EVERYONE in the class with the same attitude of respect you expect to be treated. This includes the language you use, the attitude you bring to class, and the way you respond when asked to do something in class.

#3: You are expected to complete EVERY assignment BEFORE the next class meeting. You are expected to use the Academy period to get extra help whenever needed. Once in class, you are expected to ask questions on anything that you do not understand.

#4: You are expected to use the entire block productively. This means paying attention/taking notes during times of lecture, actively participating in group work, using any extra time given to you in class to complete your daily work, start your homework, or review for upcoming quizzes and/or tests.

Consequences: Failure to follow the expectations will result in any of the following:

1. Warning ... Student – Teacher conference
2. Parent phone call and/or Academy Detention
3. Referral to an Administrator

Absences:

- It is **YOUR** responsibility to find out what you missed!!!!!!!
- All assignments are online. Homework is posted in the classroom and online. If you are absent, you should check the website from home or as soon as you return.
- The Academy period is time set aside for you to get and complete your make up work. It may take more than one academy period for you to get caught up.
- If you are absent on the day of a test, you have **1 week** from when you return to make up the test. Exceptions will be made only for extended absences.
- No make-up tests/quizzes will be given during class time. It is YOUR responsibility to make an appointment during Academy or after school.

Supplies: The following is a list of supplies (other than your **book**) that will be needed throughout the course of the year. For some in-class activities, there is a limited number of supplies in the classroom. However, you will need to use most of these supplies at home. It is in your best interest to obtain as many of them as possible.

- A notebook or a section of a notebook dedicated to this class for notes and handouts.
- A TI-83+, TI-84+ (or another approved graphing calculator that has the ability to perform the skills listed previously under the “Technology” section)
- Graph Paper and a ruler (graph paper is available to be printed out online)
- Pencils (I will not be providing pencils at any time)
- ID CARD --- used to check out any supplies that we might use in class.

Resources available:

Mr. Leckie's website: <http://www.chaoticgolf.com>

Daily Assignments
Review Sheets with Solutions
Extra Credit (when available)
Graph paper available to be printed

Syllabus may be read online
Parent Questionnaire may be filled out online
Contact Mr. Leckie through an email form
Limited links to other Math sites on the Internet