

## 2010 ~ 2011 ALGEBRA 2 SYLLABUS

Teacher: Mr. Leckie  
Room: 508  
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. There will be quizzes after every 2 days of instruction. Each student must earn 70% or higher, or must retake the quiz during academy/interventions. All quizzes must be retaken before the chapter exam. TWO chapter exams from each semester may be retaken. In the event of a retake, the score on the retake is recorded and the original is dropped.

**Grading:** Your 18 – week grade will be weighted with the following percentages:

- Assignments: 10%
- Quizzes: 20%
- Tests: 70%

### **Final:**

- The Final exam will be cumulative and worth 25% of your semester grade.  
In other words:  $0.75 \times (18\text{-week grade}) + 0.25 \times (\text{Final Exam grade}) = \text{Semester Grade}$

**SCALE:** Grades will be posted on Infinite Campus as often as possible.

- 89.50 – 100%      A
- 79.50 – 89.49%    B
- 69.50 – 79.59%    C
- 59.50 – 69.49%    D

### **Assignments:**

- 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.
- Assignments will be corrected based on completeness only, but it is only beneficial if you correct it. Solutions guides may be available for purchase.
- Assignments should be completed every day, but will be collected on the days of a quiz or a test. (about every 2 days)
- Homework will be recorded as a cumulative score. Each time homework grades are recorded, you will be given a score that reflects the percentage of homework you have completed for the semester up to that day.
- The ABSOLUTE LAST day for late homework is the week before final exams.

### **Quizzes:**

- Quizzes will be given every 2 two days of instruction and MUST be retaken if a 70% or higher is not earned.
- Quizzes may be retaken regardless of the score.
- Retakes of all quizzes MUST be completed before the chapter exam.
- You must correct your original quiz before taking the retake.
- If you are not here the day the quiz is given, you may have an original quiz, but you must take the retake quiz.

### **Tests:**

- Tests will usually be given after the completion of each chapter, but usually contain review questions from previous chapters, and each chapter test will be weighted the same.
- A review sheet/problem set will typically be given for each test, and you should understand ALL topics listed.
- Tests usually will be given in two parts (with and without a calculator).
- TWO retakes of chapter exams will be allowed each semester.
  - Corrections to original test must be done in class prior to retake
  - Retakes may have fewer questions than the original, meaning each question is worth more.

## **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.

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

1. Warning ... Student – Teacher conference ... In the case of tardies, you will receive 3 warnings.
2. Parent phone call and/or Academy Detention
3. Referral to an Administrator

## **ABSENCES:**

- It is **YOUR** responsibility to find out what you missed!!!!!!!
- You will be given a list of assignments for every chapter. If you lose yours, print out another one online.
- The Academy/Interventions 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.
- No make-up tests/quizzes will be given during class time. It is YOUR responsibility to make an appointment during Academy/Interventions or after school.

## **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.

## **SUPPLIES:**

The following is a list of supplies (other than your **book**) that will be needed throughout the course of the year.

- A notebook or a section of a notebook dedicated to this class for notes and handouts. (I will not collect this)
- An approved graphing calculator that has the ability to perform the skills listed previously under the “Technology” section ... We will use a TI-83+ or a TI-84+ in class.
- Pencils (I will not be providing pencils at any time)
- Graph Paper ... especially second semester.
- 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  
Contact Mr. Leckie through an email form  
Limited links to other Math sites on the Internet

*Academy/Interventions ... Monday, Tuesday, and Thursday*

Tuesday of every week has been designated for math interventions. You may attend voluntarily whenever you feel like you need help. You may also be required to attend for various reasons ...

1. Not turning in all your homework,
2. Falling behind in work due to absences or other reasons,
3. Having a D or F,
4. Earning less than a 70% on any quiz.

Failure to show when required may result in an academy detention, referral to assistant principal, or loss of privileges (off campus, partials, extracurricular or athletic activities).