

# 2011 ~ 2012 ALGEBRA 2 SYLLABUS

Teacher: Mr. Leckie  
Room: 508  
Course: Algebra 2  
Textbook: *Algebra 2 (Common Core Edition)*

**COURSE CONTENT:** Topics in previous algebra courses are built upon, and the additional topics of polynomials, rational, exponential, and logarithms functions, as well as, ~~matrices~~, complex numbers, sequences and series, probability and statistics, and trigonometry

*1<sup>st</sup> Semester: 1 block = 90 min (32 blocks total)*

*... Schedule is tentative due to Snow Days, Late Starts, Scantron Testing, or other interruptions.*

Chapter 1 (5 blocks)

Chapter 2 (10 blocks)

Chapter 3 (9 blocks)

Chapter 4 (8 blocks)

FIRST SEMESTER FINAL EXAM REVIEW (2 blocks)

FIRST SEMESTER FINAL EXAM (1 block)

*2<sup>nd</sup> Semester (40 blocks total)*

Chapter 5 (9 blocks)

Chapter 6 (8 blocks)

Chapter 7 (6 blocks)

Chapter 8 (10 blocks)

Chapter 10.1 – 10.3 & 11.1 – 11.3 (7 blocks)

SECOND SEMESTER FINAL EXAM REVIEW (2 blocks)

SECOND SEMESTER FINAL EXAM (1 block)

## **STUDENT EVALUATION**

Both formative and summative evaluations are used during this course. There will be quizzes approximately 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:  $0.75*(18\text{-week grade}) + 0.25(\text{Final Exam grade}) = \text{Semester Grade}$

**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.
- 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 in a category called “Complete List of Assignments” and a cumulative percentage recorded in the gradebook (about twice each chapter) under “Cumulative Homework Score”. It is this cumulative score that counts for 15% of your grade. The result of this is that turning in late/missing work will help your grade less and less the longer you wait to turn it in.
- The ABSOLUTE LAST day for late homework is the week before final exams.

**Quizzes:**

- Quizzes will be given about every two days depending on the schedule.
- After correcting the original, quizzes will be retaken until a student earns a 70% or higher.
- If necessary (and time allows) a retake of the retake will be given until 70% or higher is achieved.
- 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 will receive a 0 on the original, 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.
- A review sheet/problem set will typically be given for each test, and you should understand ALL topics listed.
- Tests may be given in two parts (with and without a calculator).
- Most (if not all) chapter tests will be weighted the same.
- Make up tests are usually different than the original exam.
- Two retakes of chapter exams will be allowed each semester.
  - Corrections to original test must be done 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.
- It is YOUR responsibility to show up during Academy/Interventions or after school to make up missing work.

## **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

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)
- Notebook Paper and Graph Paper
- ID CARD --- used to check out any supplies that we might use in class.

## **RESOURCES AVAILABLE:**

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

Assignment Sheets

Review Sheets with Solutions

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*

**IT IS YOUR RESPONSIBILITY TO ATTEND INTERVENTIONS WHEN REQUIRED!**

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).