Standard Algebra II

2014 – 2015

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**Room:** B229

**Phone:** (434) 823-8700

**CARE:** Tuesday & Thursday

*If you need to meet with us any other, let us know a day in advance. We’ll find a time that works for all of us.*

**Course Description:**

In this course, “… a thorough treatment of advanced algebraic concepts will be provided through the study of functions, “families of functions,” equations, inequalities, systems of equations and inequalities, polynomials, rational and radical equations, complex numbers, and sequences and series. Emphasis will be placed on practical applications and modeling throughout the course of study.” (Virginia Department of Education, <http://www.doe.virginia.gov/testing/sol/standards_docs/mathematics/2009/stds_algebra_2.pdf>)

**Pacing:**

**1st Semester:**

* Introduction
* Chapter 1, Tools of Algebra
* Chapter 2, Functions, Equations & Graphs
* Chapter 5, Quadratic Equations
* Chapter 9, Polynomials (1st half)

**2nd Semester:**

* Chapter 9, Polynomials (2nd half)
* Chapter 7, Radical Functions
* Chapter 8, Exponential & Logarithmic Functions
* Chapter 11, Sequences & Series
* Statistics

**Grades**

**1st Semester:** 1st quarter: 40%, 2nd quarter: 40%, midterm: 20%

**2nd Semester:** 3rd quarter: 40%, 4th quarter: 40%, final: 20%

Tests: 60% of quarter grade

Quizzes /projects: 30% of quarter grade

Mini Quizes: given at the beginning of almost every class. 3 MQ = 1 regular quiz

Homework/classwork: 10% (two lowest HW/CW scores dropped each quarter)

Homework will be graded when class begins. Classwork will be graded just before class ends. Here’s how it’s graded:

**5-** You worked every problem assigned and checked odd numbered problems

**4-** You worked every problem but did not check odd numbered problems

**3-** You have not attempted every problem

**0-** You have done less than half the work.

Makeup work:

If you score 65% or less on a test or quiz, you will automatically be signed up for CARE and a remediation program.

**Materials:**

* Three ring binder to hold the guided notes we provide. We expect you to keep your binder organized. If you need a binder or help setting up a system, please let us know!
* graphing calculator (provided)
* pencils and erasers
* *Algebra II*, Prentice Hall Mathematics; ISBN 0-12-131439-4

**Discipline:**

We expect you to respect this class and your classmates. That includes:

–not talking when others are talking or taking tests

–paying attention to Ms. McGuire and Mr. Chatterson

–paying attention to your classmates

–cleaning up after yourself

–nodding and smiling when Ms. McGuire acts like a geek or Mr. Chatterson uses puns (it *will* happen!)

If you misbehave, we’ll talk to you. If there is still a problem, we’ll call your parents. If the problem still exists, we’ll submit a Discipline Referral. Since different situations require different responses, the pattern may be a little different. (In the rare case of extreme misbehavior, we’ll submit a DR immediately.) Our goal is to be fair to everyone.

**Electronics policy:**

We expect you to have your cell phone put away during class. If we see you use it, we’ll ask you to put it away. If we have to ask again, we’ll keep it till the end of class. If we have to take the phone again, we’ll take the phone to the office.

You may not listen to music during instruction, quizzes, or tests. Ask for permission first!!!

**Honor code**

We have zero tolerance for cheating. Cheating is receiving or giving unauthorized aid on work. Giving or receiving help on a test is cheating. Helping or getting help with homework is not cheating– ***copying* homework is cheating**. If you cheat, you will be given a score of 0.

**Tardies**

If you are not in the room when the bell rings, you will be counted tardy. We will let you know if we’ve marked you tardy.

**Bathroom/ Water**

You will be expected to wait until the second half of class for all non-emergency trips.**Please fill out/sign this form and return it to Ms. McGuire or Mr. Chatterson.**

I have read the syllabus, understood what is expected of me, and agreed to abide by its policies and rules.

Student’s signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student’s printed name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

I have read the syllabus and understand what is expected of my son or daughter.

Parent’s signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent’s printed name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Contact Telephone #(s): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\*Email address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(\*please use slashes in your zeros so I can differentiated between them and the letter “o”)