

Algebra II Syllabus
2008-2009

Mr. Carpenter
Room 113
Ph#740-363-1993 ext. 2261
Email: carpenterg@delawareareacc.org

Welcome to Algebra II. Algebra II is designed for a variety of instructional modes. We will use group work, independent study and spend time on a computer tutor, which is a program that will track each individual's progress through a variety of real world application problems. Some of the topics we will be studying are linear functions and inequalities, systems of equations and inequalities, matrices, exponential and logarithmic functions, quadratic functions, complex numbers, higher order functions, and rational functions. Because we have so many topics to cover in this course it is important that you keep up by paying attention, taking good notes, and completing all assigned work. Failure to do so will endanger your chances of receiving credit for this course. Please feel free to ask any questions you have, I am here to help you.

Required Materials

- ✚ Algebra 2 Textbook- You will need your book each day and it is required to be covered. Periodically I will do book checks which will make sure you have the correct text book and that is covered.
- ✚ Scientific Calculator- If you have one, bring it each day, if you do not have one, you will need to get one from the table where the calculators are kept. No one may take one of my calculators home without permission.
- ✚ Pencil- No assignments or tests may be done in pen, but you may take notes in pen. I will not give out pencils.
- ✚ Math Journal- You are required to purchase a notebook to write your journal entries into. If you think this will be an issue, see me. We will have a space to keep these in the room, but you may carry yours with you.
- ✚ Notes- Bring whatever you write notes in because we will work everyday!

Grading Procedures

Your grade for this class will be assigned based on the following criteria:

- ✚ ***Homework/Class work*** (30%)-Homework will be assigned nightly and is expected to be complete when class begins. Homework is critical in this class as we will not have a lot of time to do many examples in class. If absent homework will be posted on the front board. **It is your responsibility to make up work.** I can not remind everyone so when you return, get your assignment and turn it in the next day. No late work will be accepted without an excused absence.
- ✚ ***Tests and Quizzes*** (55%)-There will be a quizzes and tests throughout the class, approximately one per chapter. These will cover the material for the current chapter and material from the past. Make-up Tests and quizzes may be made up with an excused absence only. If you miss a quiz or test day, meet with me to set up a good time. You have two days after you return or no credit will be awarded.
- ✚ ***Daily Grade*** (10%) Points will be awarded for being present, following all rules, being prepared, participating in class, having no discipline problems, etc. Points may be awarded or taken away at my discretion.
- ✚ ***Math Journal*** (5%) You will be required to keep a math journal which you will be given short writing assignments in. These journals will be check a few times per quarter and awarded points.

Receiving Grades

The grading scale here at the Delaware Area Career Center is as follows (based on 100%)

A+ 100-97%	A 96-93%	A- 92-90%
B+ 89-87%	B 86-83%	B- 82-80%
C+ 79-77%	C 76-73%	C- 72-70%
D+ 69-67%	D 66-63%	D- 62-60%
F below 60		

I will provide you a weekly grade sheet, usually on Tuesdays that will update you on your progress.

Classroom Rules

You are to follow all rules for the school found in your agenda at all times. In addition the following rules will apply to my classroom. The overriding expectation in the class is respect: respect yourself, other students, for the teacher, school property, and anyone else who is in our classroom.

- *Everyone should be in their seat and ready to work when class begins.* This means having your materials, using the restroom, sharpening pencils, and socializing should be completed before class begins.
- *Bring materials to class everyday.* You will not be permitted to get any materials once class begins.
- *No one should disrupt the learning process in any way, shape or form.* This includes, but not limited to, talking out, passing notes, taking others' possessions, and throwing objects.
- *If quiet time is given, you are to work on your math assignment.*
- *Do not leave the classroom until you are dismissed.* Remember the teacher ends class, not the bell.
- *If you must use the hall pass, get permission first.* I will honor reasonable requests to use the hall pass, but will revoke that privilege for students who leave without permission or misuse the hall pass. Any requests over one per semester will be denied. Final say is mine.
- *All written work is to be done in pencil; no work in pen will be accepted.*
- *Use the computers for what we are doing.* Since a good portion of our time will be spent working in the computer lab, you need to do what you are told and not be off task. This means no internet surfing, checking email, etc. Any violation of this rule could lead to a zero for the computer portion of your grade and/or an office referral.
- *Work quietly when doing group work.* In this class we will be doing several group activities in which you will work with classmates. When working in groups please try to speak so only your group can hear you. Work within your group to solve whatever assignment you are working on.
- *No sleeping in class.* Sleeping in class will result in a **zero for the week** on your daily grade. Additional violations will result in detentions and office referrals.
- *No food or drink permitted in the classroom.* This is a school rule that is not up for discussion. If you have drinks or food, they must be thrown away in the commons, not brought here. Bottled water is the only exception to the rule if it is DACC water.

Rules Violations

Any violation of these rules will result in escalating consequences.

- First Violation-Warning—I will warn you once if a rule is being violated to give you the opportunity to correct it. You will automatically lose all points for the day.
- Second Violation-After school detention—If you continue to violate a rule you will be assigned an after school detention with me for 30 minutes the following Friday. You will need to provide your own transportation. Failure to serve a detention will result in an office referral. Loss of points for the week.
- Third Violation-Office referral and escalating discipline action.

Course Outline

Below is a rough outline of the topics and chapters we will be covering this year. This more than likely will change but this will give you an idea of what to expect during this course. We will have four basic units of study, each lasting approximately one quarter.

Unit 1-Linear Functions

Chapter 2-Linear Relations and Functions

Chapter 3-Systems of Equations and Inequalities

Chapter 4-Matrices

Unit 2-Quadratic Functions

Chapter 5-Rational Expressions and Complex Numbers

Chapter 6-Quadratic Functions/Quadratic Formula and Discriminant

Unit 3-Higher Order Functions

Chapter 7- Polynomial Equations

Chapter 8-Conic Sections

Chapter 9-Rational Expressions

Unit 4-Other Functions

Chapter 10-Exponential and Logarithmic Functions

Chapter 13/14 Trigonometry

Additional Help

There are several ways to receive help if you need it. The most important thing to remember is that everyone will have questions, please feel free to ask me anything about our course, no matter how simple or small. If you need extra help I am available before school (7:30ish). Also there is a tutor room available every period of the day for you to get help.

I look forward to a great year; please see me with any questions or concerns!