

Algebra II
Mr. Taylor
Oak Ridge Community School
Course Syllabus 2009-2010

Objective

This course will expose students to higher level concepts that are components of the PSAE/WorkKeys and emphasize the connection between theory and application. Advanced topics in number sense, probability and statistics, and functions are applied in this course. Linear models, quadratic equations and their graphs are discussed along with the concept of complex numbers. Logarithmic, polynomial, rational, and exponential functions are explored. The course also includes the development of quadratic relations (circle, parabola, ellipse, and hyperbola) and an introduction to sequences and series.

Topics Covered

- Equations and Inequalities
- Linear Equations and Functions
- Linear Equations and Inequalities
- Matrices and Determinants
- Quadratic Functions
- Polynomials
- Powers, Roots, Radicals
- Rational Equations

Materials Needed

- Pencils, **NO PEN**
- Three ring binder
- Notebook
- Scientific Calculator required, TI-84 recommended. Oak Ridge has limited calculators to loan out per day.

Education to Careers

The skills and abilities taken from this course will assist you in your daily life after high school.

Expectations

- Students will come to class prepared with their materials and homework every day
- Students will follow the rules set forth in the Oak Ridge Matrix
- Students will participate in all activities related to the course. This can include discussion, activities and group work.

Evaluation

Homework – Assignments may not be given every night; however, it is essential that the student completes all assignments. Points given for each assignment will vary based on the length and nature of the particular assignment. Students have until the end of the current chapter to turn in all assigned work for full credit. Once a chapter is completed, any work not turned in result in a ‘0’. For make-up work, please refer to the Oak Ridge Handbook, page 8.

Tests/Quizzes – Points will vary based on the length and nature of the test or quiz. Tests and quizzes are not weighted heavier than homework.

Final Exam – There is a final exam at the end of each academic term which will be cumulative. The test counts for 20% of the student’s final grade

Seating Assignments

A seating chart will be developed in the first week of class. Students are to sit in their assigned seats daily. Seats may be changed or moved at any point during the school year, at staff discretion.

Academic Honesty

Misrepresenting others’ work as your own, including work purchased or copied from the Internet, plagiarism, allowing your work to be plagiarized or copied, violating the security of a testing/grading situation in any way or using misappropriated materials unless told otherwise, is cheating. If this occurs, the student will receive a ‘0’ on the entire assignment. (District Handbook, page 13)

Grading Scale

Points earned for assignments divided by the total points available determine midterm and final grades.

A+	100%-97%	C+	79%-77%
A	96%-94%	C	76%-74%
A-	93%-90%	C-	73%-70%
B+	89%-87%	D+	69%-67%
B	86%-84%	D	66%-64%
B-	83%-80%	D-	63%-60%
		F	59% & ↓

If you have any questions, please contact me at (224) 484-5826.

Infinite Campus Parent Portal

Grades are available online, through the Infinite Campus Parent Portal. Information on how to gain access is available at <http://www.d300.org/web/parents/parentportal.html>. Grades for this course will be updated weekly on Thursday. Grade reports will also come home weekly on Fridays.

Class Website

Course documents and links for assignments will be available for all of my courses at www.taylorcs.com. Parents and students alike are encouraged to explore and become familiar with the site now. All SMARTboard lessons and notes will be made available online. Additionally, some classes will work with wiki software to develop projects and reports.

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I have read and fully understand the course objectives, as well as what is expected in this course.
I agree to abide by the guidelines of this course.

Student Signature Parent Signature Date

EXTERNAL WEBSITE USE AND WIKI SOFTWARE AGREEMENT

I give permission for my child to use the external website and the wiki software at
www.taylorcs.com for class projects, as required by the course.

_____ I agree to allow my child use of the website and wiki software

_____ I do not agree to allow my child to use the website and wiki software. My child will
work on an alternative assignment.

Parent Signature Date

BOOK USE AGREEMENT

I understand that my child will be assigned an Algebra II book and that my child is responsible
for that book for entire duration of the course. I also understand that if the book is lost, stolen or
damaged, I am responsible for replacing the book.

Student Signature Parent Signature Date

My Book Number: _____