

## Spring 2017 Honors Math II Syllabus Wake Early College High School



**Course Title:** Honors Math II

**Prerequisites:** Math I

**Instructor Information:** Mrs. Myran Braden-Porter  
Wake County Early College High School

**Course Overview:** This course is designed combine the concepts of algebra and geometry. The main focus of the class is to model with geometry and algebraic functions. Topics for this course include transformations, quadratic, rational, radical, and trigonometric functions. Students will prove geometric theorems and will also model problems with probability.

**Student Learning Outcomes:** Students will develop skills with functions and recognize additional properties of those graphs beyond what was covered in Math I. Students will extend their thinking abstractly by performing arithmetic operations with complex numbers.

**Evaluation Methods and Guidelines for Assignments:** The student who prepares himself or herself appropriately (by taking thorough notes in class and attempting the homework) and takes advantage of class practice time (by working with classmates to understand concepts, uses the quizzes as opportunities for improvement, and takes advantage of tutorial opportunities when needed) will see success in this class and should perform well on exams.

The overall semester grade breakdown is as follows:  
50% First Quarter, 50% Second Quarter

**Evaluation Policy: (Evaluation will be based on the following percentages)**

Classwork/Participation.....	15%
Quizzes.....	20%
Homework.....	10%
Exams/Projects.....	55%

**Participation:** Each day you are expected to come to class prepared with your materials (i.e. notebook paper, pencil, calculator, etc.) and ready to learn. You will be expected to participate in class/group discussions and activities and of course take notes during lecture. All of these expectations will be a part of your participation grade.

**Quizzes:** Quizzes may be announced or unannounced. You can expect anywhere between one to two quizzes over the course of a unit. There will be an opportunity to do quiz corrections for half credit but only for the announced quizzes!

**Homework:** Students will have homework almost every day (except exam days). Homework grades will be based on effort and completeness. For example, if you complete 9/10 problems, you receive a 90% for this assignment. You must SHOW YOUR WORK for homework. Homework without work shown will receive no higher than a quarter of the grade (that's only 25 %!).

**Exams:** Math II exams are cumulative examinations that take place at the end of every unit.

**Wake County Grading System:**

A: 90 - 100  
B: 80 - 89  
C: 70 - 79  
D: 60 - 69  
F: 59 and Below

**Materials:**

1 inch Notebook with College Ruled Paper Inside  
Pencils, Pencils, Pencils!!!  
1 pack of 3x5 index cards (used for vocab flash cards)  
Graphing Calculator (optional, but highly recommended)

**Academic Integrity as defined by WCPSS board of Education:**

**Integrity** - Any student who engages in or attempts to engage in cheating, plagiarism, falsification, violation of software copyright laws, or violation of computer access shall be subject to disciplinary action. The following actions are specifically prohibited:

**Cheating** - giving or receiving of any unauthorized assistance on academic work.

**Plagiarism** - copying the language, structure, or idea of another and representing it as your own work.

**Falsification** - verbal or written statement of any untruth.

**Violation of software copyright laws** - unauthorized duplication of computer software (computer piracy), printed materials related to computer software, and/or the use of printed computer software.

**If you violate your academic integrity in Honors CC Math II, you will receive a 0 on that assignment/quiz/test/exam and will be referred to Mrs. Cummings for disciplinary action.**

**Make-Up Work:** If a student is absent, it is the **student's responsibility** to find out what they have missed, get class notes and assignments from a fellow classmate or the teacher. You are still responsible for turning in homework assignments on the days that you are absent. I expect assignments to be turned in within 2 days upon your return to school. If a student is absent on a test day, they must make arrangements to make up their test after school or during PULSE time. There will be no exemptions for any tests. If the student never makes up the test, it will result in a test grade of zero.

**Late Work:** Late work will only be accepted one day after the due date for up to 75% credit. Late work will NOT be accepted after the unit is complete.

**Tutoring:** Arrangements can be made after school Mondays and Wednesdays 2:30 - 3:30 (room will be determined later). Please take advantage of tutorial sessions. It is imperative you understand the Math II concepts as it serves as the foundation for all future high school math courses.

**Classroom Expectations/Procedures for Students:**

The expectations for Math II are simple:

- Be on time and come prepared to class every single day.
- Daily participation is to be expected.
- Cheating of any kind will result in a zero.
- Be respectful and responsible.
- Profanity will not be tolerated and will result in detention after the first warning has been given.
- NO FOOD will be consumed except under special circumstances.
- And lastly, this is a classroom setting. Keep your cell phone out of sight & silent at all times.

**Honors Math II Topics:**

- Transformations
- Modeling with Quadratic Functions
- Rational and Radical Functions
- Geometric Proofs
- Modeling with Trigonometry
- Modeling with Probability

Please detach the last page to be signed by you and your parents. Keep this syllabus as a reference in your notebook!

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Signatures required

Students are required to return this form signed.

I have read and understand the Honors Math II syllabus.

Student name (PRINT): \_\_\_\_\_

Student signature: \_\_\_\_\_

Student's at Home Internet Access (Circle One):

Wireless Internet Smart Phone                      Both                      I do not have access at home

Parent Name(s) (PRINT): \_\_\_\_\_

Parent signature: \_\_\_\_\_

\_\_\_\_\_  
Parent/Guardian Email

\_\_\_\_\_  
Best Phone Number to Call

Parent Comments/Concerns: \_\_\_\_\_

\_\_\_\_\_