

## Welcome to Honors Math 3!

As a whole, the Math 3 course itself reviews and builds upon the knowledge and concepts learned in both the Math 1 and Math 2 curriculums. In the Honors level of this course, students will be expected to push basic course concept knowledge further in order to expand understanding and use of not only algebraic concepts, but also those that are based in Statistics, Geometry, and the preliminary Trigonometric ideas of Pre-Calculus. Students will be expected to think critically, work in groups to make connections between concepts, answer open ended questions on assessments, and be able to communicate verbally using proper mathematical terms to explain a topic or problem.

The Honors Math 3 curriculum is designed to prepare students for Pre-Calculus, AP Calculus, and AP Statistics by emphasizing proficiency in calculator and non-calculator problem-solving and applications included in the NC state standards for mathematics. Students will go beyond merely finding solutions and creating functions towards deriving formulas, exploration of complex and open-ended problems, and learning to express/ prove ideas through mathematical discourse. Students will be expected to explore mathematical concepts through group work, teacher support and facilitation, and individual student study as they will be asked to gather, analyze, and synthesize related information from multiple sources. These students are expected to be initiators for their own learning and active participants in scholarly and creative learning processes. A strong work ethic will be expected for success in Honors Math 3.

### Honors Math 3 Course Overview:

#### Expectations:

- I expect you to display honor and integrity. Lying, cheating, stealing, or accepting the actions of those who do are not acceptable.
- I expect you to be on time, prepared for class each day, respectful of others, and focused during class time.
- Take complete notes in class – use notes and examples in the Class Notes to study and assist with homework.
- Use the videos of the Class Notes to get caught up when you are absent and also to reinforce concepts from class.
- When you have questions, **ASK THEM!**

#### Materials needed every day in class:

- Completed homework assignment
- TI-83 or TI-84(preferred) Graphing calculator with charged batteries
- All class handouts and materials

#### Grading Your grade will be determined by the following percentages:

- Tests (Major Assignments): 50%
- Quizzes/Classwork/Homework/Etc. (Minor Assignments): 50%

### **Homework Expectations and Policies:**

- As with all math courses, homework is essential and will be assigned daily. I expect you to complete the homework each night. Homework will be checked/ graded randomly. You may work with other students on any homework assignment unless otherwise indicated in class, but your work must be your own.
- Make up Policy: Three school days will be allowed to a student to make up assignments missed due to an absence from class. The student is responsible for making up all course work. Failure to make up a quiz/test will result in a zero.

### **Test Expectations:**

- Tests will be announced in advance so you will have adequate time to prepare. Expect to have at least 3 tests per quarter. If you are absent the day of a test, you will take the test on the next school day in class. The use of electronic devices, except for a calculator, is strictly prohibited during tests and quizzes.

### **Excessive/Unlawful Absences**

You are expected to come to school. It is really hard to replace missed time in class.

### **Other Thoughts!**

- Electronic devices may ONLY be used for instructional purposes as directed by content area teacher.
- Students should turn cell phones off or silence them and put them in the cell phone caddy at the front of the room before the bell rings. When cell phones may be used for instructional purposes, the teacher will instruct students to get them out.
- ANY unauthorized use of a cell phone or other device during a test or exam, for any reason, is prohibited and will constitute an honor code violation.
- Students are not allowed to answer the phone, text, or check the phone at any point during class. Do this between classes or at lunch.
- If a cell phone is out when the teacher has not approved its usage, consequences will be: Trip to the office.
- I can help you some extra before and after school. You need to let me know in advance when you want to come in to make sure that I am available.