**Math II**

Instructor: Megan McElroy

Email: mcelrom@gcsnc.com or School Phone: (336)-819-2957

**COURSE PRE-REQUISITES:**

* Apply algebraic properties and relationships to solve problems.
* Use formulas to solve problems.
* Define and use linear expressions to model and solve problems.

**COURSE DESCRIPTION:**

Math II continues students’ study of algebraic concepts building upon middle school and Math I topics. Students will move from a concrete way of dealing with functions to a more abstract dealing of functions in general. Reasoning and communication skills will be emphasized, and students will be required to use mathematical practices to solve problems.

**REQUIRED MATERIALS**:

* Pencils

We will also use a Calculator TI-83 or TI 84. If you have your own or can get one, please do. If not, don’t worry, the school has some you can use!

* Three ring binder (1 inch)
* Notebook paper
* Notebook dividers
* Ruler, Protractor, and Compass
* Colored utensil (highlighters, colored pencils, or markers)

You are expected to have all these materials with you in class each day.

**TECHNOLOGY:**

The technology we will use during remote learning includes:

* Canvas
* Zoom
* Google Apps
* Desmos
* Document Scanner/ Camera
* Nearpod

Our main site for all lessons and assignments will be on Canvas and Zoom, any other sites or Apps that we use will be linked through the Canvas page as needed. I will **not** ask you to purchase any apps or pay for any accounts, however you may have multiple log ins to remember throughout the semester, make sure to keep track of those.

**GRADING POLICY:**

Grades will be assigned according to the following percentages:

 Tests/Projects 40%

 Quizzes 25%

 Homework 25%

 Participation 10%

* I will drop your lowest quiz grade at the end of the quarter.
* Your final exam will be worth 20% of your semester grade. (It is possible that exams will be waived for all of North Carolina. I will let you know when a decision is made.)

 Grading Scale Grade Requirement

 A 90 – 100

 B 80 – 89

 C 70 – 79

 D 60 – 69

 F 59 and below

* Grades are earned, not given!

**TESTS, QUIZZES, & EXTRA CREDIT:**

* Since we are online, all quizzes and tests will be open notes (math notebook), but there will be no retakes this semester.
* Tests will always be announced and preceded by a review.
* If you miss a test, student must email me within 1 day with a valid reason for missing the test and to schedule a time to makeup the test (1 week to make up the test.)
* Quizzes will be announced and will be given roughly once per week. Quizzes are generally made up of problems you have seen before or problems very similar to ones we have worked in class. You are responsible for taking quizzes online through Canvas.
* Extra credit will be available on some tests and quizzes. Extra credit problems or assignments may be given periodically during the semester. Extra credit will not be given on an individual basis or at individual request. DO NOT count on extra credit to pull you through at the end.
* The first day a project is late is a 20-point deduction. Every day after is an additional 10 points.

**TUTORING:**

Any student may come to zoom tutoring in between 10:00am and 10:55am on Mondays and Wednesday before school or Thursday after school between 5:30pm and 6:30 pm. The links to zoom tutoring will be available on canvas.

**HOMEWORK:**

Homework is assigned every day. I do not give an excessive amount of homework, but you are expected to have it in class completed and ready to discuss it daily. You will submit a photo or scanned copy of your completed homework on canvas before class. You may turn in homework a day late TWICE per quarter and receive a late penalty.

**MAKE UP WORK:**

IT IS **YOUR RESPONSIBILITY** TO WATCH THE LESSON YOU MISSED, EMAIL ME WITHIN 1 DAY ABOUT WHY YOU MISSED CLASS AND TURN IN ALL REQUIRED ASSIGNMENTS. Email me with any questions or concerns.

**BEING PRESENT & PARTICIPATING:**

Students should be on Zoom for the entire class period except in emergencies. Please do not leave class when it is not an emergency. Online this means paying attention to instructions, listening to lesson, participating in groups, taking notes, asking questions, etc. You should not be on other electronic devices during class. There will be frequent roll calls, where you are expected to type in you name as present. If you are not paying attention and miss this, you are not participating in class.

**TARDIES:**

Be where you are supposed to be when you are supposed to be there. If you have the occasional technological issue and are a few (2 or 3) minutes late, I will understand. If this becomes a frequent occurrence, it will impact your class participation.

**CHEATING:**

Cheating is unacceptable and will not be tolerated. This includes copying any assignments (homework, classwork, quizzes, tests, etc.), using apps or websites to solve problems, communicating with other students or adults about math while taking a quiz or test. If you have a question about what is being asked during a quiz or test, ask me. You may talk with other students while working on homework, but remember, working with and copying are different. I WILL NOT TOLERATE CHEATING IN ANY FORM. Do not do anything that will make me suspect you are not being honest.

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| **Math 2 Topics** |
| **Transformations and Symmetry** | **Structures of Expressions** |
| **Congruence, Construction & Proof** | **Solving Quadratics and Other Equations** |
| **Geometric Figures**  | **Variation and Square Root Functions** |
| **Similarity & Right Triangle Trigonometry**  | **Probability** |

**School-Wide Competencies**

**21st Century Skills**

The following 21st Century skills are considered essential for career success and are emphasized in the Early/Middle College curriculum.

1. **Teamwork**—Work with others to analyze a situation, establish priorities, and apply resources for solving a problem or accomplishing a task.
2. **Responsibility**—Exhibit individual behaviors that support the official goals and objectives of the organization and its members.
3. **Communication**—Effectively exchange ideas and information with others in oral, written, or visual form.
4. **Problem-solving**—Identify problems and potential causes while developing and implementing action plans for solutions.
5. **Information processing**—Acquire, evaluate, organize, manage, and interpret information.
6. **Adaptability**—Exhibit flexibility and receptivity to changing technologies, methods, processes, work environments, organizational structures and management practices.

**General Education Core Competencies**

The following core academic competencies are considered essential for student success and are covered in the Early/Middle College curriculum.

1. **Computer literacy**—Students will demonstrate proficiency in the use of computer technology for acquiring, interpreting, processing, synthesizing and communicating information to be utilized in making decisions and solving problems.
2. **Mathematics**—Students will use appropriate mathematical skills to gather, record, analyze, and communicate quantitative data for the purpose of problem solving.
3. **Oral Communication**—Students will deliver information in a clear and effective manner, demonstrate effective listening skills in communicating with others, target the information presented to the audience’s needs, and use media to support presentations.
4. **Reading**—Students will apply critical reading strategies to evaluate, interpret, and analyze non-fiction, academic, or professional readings.
5. **Research**—Students will use appropriate research techniques to summarize, paraphrase, interpret, and synthesize information from primary and secondary sources using standard research style.
6. **Writing**—Students will produce unified, coherent, well-developed written communication using standard written English.

### Policies and Information

**Inclement Weather Policy**

The Early/Middle College at GTCC follows the Guilford County Schools policy on inclement weather. For more information please see http://www.gcsnc.com/information/weather\_policy.htm. Please note: If GCS is closed but GTCC is not, students taking college classes are required to attend those college classes and provide their own transportation

## Attendance Policy

The Early/Middle College at GTCC follows the Guilford County Schools policy on attendance. Students are allowed 3 absences during a semester. After the 4th absence, the student is placed on a “no credit” status until the time is made up for the missed class. All missed assignments must be made up within 3 days of the students return to class.

**Cell Phone Use**

The use of cell phones for purposes entirely unrelated to class activities or concepts--random web-surfing, texting, etc.--is patently inappropriate and a violation of professional courtesy. Students who disengage from the class activities by texting, calling others, leaving class to take a call or any other improper use of various digital devices will have their devices taken from them. On the 2nd offense the device will be given to the principal and returned only to a parent or guardian.

**Plagiarism**

Plagiarism is using someone else’s words or ideas as your own.  Your GSC student handbook defines plagiarism/cheating as “**copying the language structure, idea and/or thought of another and representing it as one's own work…”** In short, plagiarism is wrong and may cause you to fail the course.