EARLY/MIDDLE COLLEGE at GTCC GREENSBORO

Course Syllabus

Course Information

Course: Honors Math 3

Description: This course is designed to prepare students for success in NC Math 3. It is designed to review and strengthen algebraic concepts from Math 2 and cover new material that student will encounter in NC Math 3. Students will learn through direct instruction, hands on activities, investigations, technology and cooperative learning. Problem solving will serve as an integral part of the curriculum. Some topics that will be discussed are quadrilaterals, circles, polynomials, trigonometric functions, logarithmic and exponential functions as well as statistics.

Textbooks: No textbook is used. Students will be given workbooks and additional instructional materials. Online resources such as IXL, Quizizz, and Desmos will be heavily used.

Supplies:

- Pencils/Erasers
- Highlighters (very important for training to read word problems)
- GRAPH PAPER
- 3-ring Binder (1")
- Ruler

We will be using the Desmos Calculator in class. You may do the same at home. A TI-84 calculator will be checked out by each student for the duration of the semester. Students are responsible for keeping the calculators safe and bringing it to class every day.

Instructor Information

Dr. Sankaran **sankarv@gcsnc.com** **336-447-6320**

Office Information

Location: Early/Middle College Office TEC 351
Campus: GTCC- GSO
Address: 3505 East Wendover Ave.
Mailing Address – P.O. Box 309 Jamestown, NC 27282
City, State, Zip: Greensboro, NC 27405
Office Phone: 336-375-2466*(Extension: 399609)*/Fax 336-375-2469

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Tutoring Hours: **Scheduled Day – Wednesdays** 9:40 – 10:40 am. Mon, Thu and Friday by prior request TEC 221 (check in at TEC 333 if I am not in TEC 221)
*** You MUST let Dr. Sankaran know the day before if you plan to attend tutoring. Always, check in teacher work room.**

Class Information
Beginning Date: Tuesday. 8/6/24
Progress Report Dates: **Q1:**8/30, 9/27; Q2 ends 10/10;
Q2: 11/1; 11/22; Q2 ends 12/20

Final Exam Week: 12/19-12/22 (EOC Testing)

Meeting Time: Block 3: 2:10-3:40 pm; Block 4: 3:45 – 5:15 PM**; Location:** CEC 224

Student Learning Outcomes

At the completion of the course, the students should be able to do the following:

1. Apply properties of Geometry to solve problems.
2. Graph and identify the properties of polynomials. Apply polynomial concepts to solve problems.
3. Graph and identify the properties of exponential and logarithmic functions. Apply these concepts to solve problems.
4. Use trigonometric functions to solve problems.
5. Use statistical concepts to solve problems.

Grading Policy

Grading Scale

Grade	**Requirement**
A	90 – 100
B	80 – 89
C	70 – 79
D	60 – 69
F	59 and below

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Evaluation of Performance: Students will earn grades in the following categories: homework, classwork, quizzes and tests.

Quizzes	**30%**
Tests	**40 %**
In Classwork	**10%**
Homework	**10%**
Warm Up (Quizizz)	**10%**
Total	**100%**

*Final grade calculation: Q1=40%, Q2=40%, End of Course Exam= 20%
*Final exam calculation to be determined by district.

Pacing Guide
Unit 1: Transformation, Congruence and Quadrilaterals
Unit 2: Circles
Unit 3: Modelling with Geometry
Unit 4: Functions and their Inverses
Unit 5: Exponential and Logarithmic Functions
Unit 6: Polynomial Functions
Unit 7: Rational Functions and Expressions
Unit 8: Modelling Periodic Behavior
Unit 9: Modelling with Functions
Unit 10: Statistics
**Subject to change as needed.*

Classroom Expectations
Students are expected to come to class on time and prepared. Before class, students should silence their cell phones (or any other electronic devices) and put them in the allocated space!!! At the start of class, students should report to their seats, begin Warm-Up and have the homework assignments ready for the teacher to view. Snacks should be consumed in the hall prior to entering the classroom.

Behavior Expectations

- Be on time and ready to begin *before* the bell rings or the class officially begins.
- Respect everyone and everything in the classroom at all times.
- You are responsible for you. Decide to be honest, mature, and successful.
- In class: no phones, food, or drink unless otherwise directed.
- Cooperate with all instructions and activities the first time. Remember that you are earning grade for classwork and it is expected that you finish the classwork in class. If for any reason that is possible, complete it at home and show it to me the next day.

- Come prepared. Pay attention and be engaged. Ask questions when you don't understand!

Online Class Expectations & Procedures (similar to above with these additions):

- *You must log-in to Microsoft Teams, and be present for your class when the period begins. Online attendance will be taken at the beginning of class.*
- *Cameras will be on throughout class.*
- *If you have computer or IT difficulties, you will text or email Dr. Sankaran at the beginning of the class; you are expected to join as soon as possible, and to complete missed work to receive your classwork grade.*
- *This class will meet for the full 90 minutes, with a combination of live instruction, small group work, and homework help/completion.*
- *You are expected to participate in class just as if you were in the classroom, including using your mic to answer questions, writing in the chat when requested, and entering your answers into DESMOS (and other online app) exercises.*

Class Attendance
Students will get the most benefit from their classes if they attend class regularly and are on time for all classes. Students should inform the Dr. Sankaran in advance if they know they are going to miss a class and must take responsibility for getting missed assignments from Canvas page, the teacher or other students.

Homework
Homework will be assigned almost every night, with few exceptions.
Homework is graded for completion with reasonable attempt to arrive at the answer. **We will be going over the answers on the day homework is due. Hence, no late submission will be accepted.** If you were absent the previous day, try to get the homework done using online resources and class recordings provided. For excused absences, I might ask you to step out while the class discusses the homework answers.

Late Assignments
It is your responsibility to keep up with assignments and due dates. Missed assignments due to excused absences should be made up within 3 days of returning. For major assignments, points will be deducted per day late, at the teacher's discretion.

Classwork Grades
If you miss a class, you are expected to complete the activity from that class period (such as entering answers in a DESMOS slideshow or completing a section of the workbook) within 3 days of the class period. It is your responsibility to show the classwork to reclaim points. For unexcused absences, classwork is due the following day.

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Subject to Change

This course syllabus is subject to change as determined by the course instructor. If changes are needed, an addendum to the syllabus will be provided to each student and implementation of changes will be set forth at date that addendum is issued.

Parents/Guardians and students: Please scan the QR code and fill the information today. At your leisure, discuss the information with your student and sign below and return it by Monday, August 7, 2023.

I look forward to working with you!

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Please sign and date below, indicating that you and your parents have read and understand Dr. Sankaran's course rules and policies. Please read together, sign, and return by August 11 for a Homework Pass for Quarter 1. I look forward to a wonderful semester together!

Student Name PRINT:_____

Student Signature:_____ Date: _____

Parent Signature:_____ Date:_____