# Mr. Allen Honors Pre-Calculus Syllabus

Welcome to Honors Pre-Calculus. I look forward to working with you this Semester. If you have any questions or concerns, please email me at <a href="mailto:gallen@randolph.k12.nc.us">gallen@randolph.k12.nc.us</a>. Communication between Parents, Guardians, Students and Teachers will be vital for success. I'm looking forward to a great school year!

## **Materials: TI-84+ Calculator**

3 ring notebook Notebook paper

**Pencils** 

Pens

Highlighters

**Colored Pencils** 

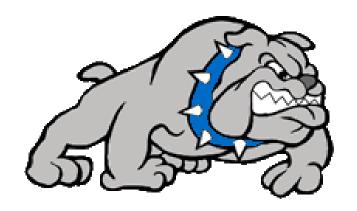
Glue Sticks

Scissors

Ruler

Graph Paper

Ear buds/Headphones (Optional)



## **Grading:**

Grades will be based on BOTH Completion AND Accuracy.

- Classwork/Participation 35%
  - o I am looking for hard work here, so accuracy is something we are continually working toward. Students will have multiple attempts to correct their work, and receive the highest grade.
- Homework/Remote Work 15%
  - o Any work assigned for a student to be done at home will be submitted through Canvas.
    Students will have 2 days and 2 attempts to complete their Homework, and will receive an average of the two grades.

- Ouizzes 10%
  - o These will be smaller assessments covering one or two topics.
    Students will have 2 attempts at these assignments, and will receive an average of the two grades.
- Tests/Projects 40%
  - o These will cover entire units of study. Again, 2 attempts will be allowed, with students receiving the average of the two grades.
  - o If a student is not happy with their grade after 2 attempts, they may schedule a conference with me to go over the test. After the conference, I will allow 1 additional attempt.

**Attendance:** Good attendance is mandatory for success in this class. Students who miss less than 3 classes will be eligible for an exemption from the Final Exam.

Cell Phones: If Smartphones are being used to play games or post on Social Media, students will be instructed to place their phones in the designated area, and parents will be notified.

#### **Online Resources:**

- <u>Desmos Online Graphing Calculator</u> is a FREE app from Google Play or the App Store.
- <u>Khan Academy</u> is a great way to see someone else teach the topics in a slightly different way.
- Math is Fun is not what you think. This site has easy explanations of a lot of math topics and is good for parents and students of all grade levels.

Exam: The Pre-Calculus Final Exam is a Teacher-Made Exam, and will be a Comprehensive Test of all that we study. It will count as 25% of the student's final grade.

**Classroom Needs:** Donations to the class will be greatly appreciated. We can always use Glue Sticks, Kleenexes, Clorox wipes, and paper towels.

### Course Schedule

Intro to Class – 1 Day

- I. Matrices 4 Days
- II. Functions and Key Features 5 Days
- III. Extending Polynomial and Rational Functions 15 Days
- IV. Composition and Inverse Functions 10 Days
- V. Exponential and Logarithmic Functions 15 Days
- VI. Trigonometry: Functions 10 Days
- VII. Trigonometry: Equations and Inverse Functions 10 Days
- VIII. Parametric Equations 10 Days
  - IX. Intro to Limits 2 Days
  - X. Final Review -3 Days

(Total – 85 Days)