Instructor: Ms. Donna Wiles   **Google Classroom Code: 66tbwi**
Instructor Planning: 2:00 - 3:30
Room Number: 225
Email: donnawiles@ccs.k12.nc.us
School Phone Number: 910-488-8415 x3225

Welcome to Precalculus Honors! I am excited for you to be here and look forward to a richly rewarding experience.

Course Description: Because this is an honors class, students will be expected to demonstrate a high level of responsibility. The workload will be greater, the expectations higher, and the assessments more challenging.

Class instruction will include functions and their graphs, quadratic functions, polynomial and rational functions, exponential and logarithmic functions, trigonometric functions, analytic trigonometry, and additional topics in trigonometry, sequences, topics in analytic geometry, limits, vectors, polar coordinates, parametric equations, conic sections and an introduction to Calculus.

"Honors Mathematics courses are intended to be more challenging than standard courses and provide multiple opportunities for students to take greater responsibility for their learning. Honors Mathematics courses should be distinguished by a difference in the quality of work expected rather than merely by the quantity of work required...the rationale for honors courses is not to provide a means to attract students to enroll in classes for additional credit, but rather to offer challenging, higher level courses for students who aspire to an advanced level of learning. Furthermore, students and parents should be informed that Honors Mathematics courses are more demanding and have requirements beyond those of standard Mathematics courses." - An excerpt from the North Carolina Department of Public Instruction concerning Honors Mathematics Courses.

Contact Information: The most effective method of communication for parents, guardians and students is via email. I will reply within 24 hours. Conferences are scheduled by appointment only. The most timely class information is available on Google Classroom (assignments and supplementary materials) and through the Student/Parent Portal (grades).

Class Materials:
- 3-ring Binder and Supply of lined and graph paper
- Pencils with erasers
- Advanced Mathematical Concepts: Precalculus with Applications textbook - assigned to student
- TI-84 Plus Graphing Calculator is provided in class, an app (wabbitemu - for android or desktop) or like calculator for use at home is *highly* recommended. If purchasing a graphics calculator is a true financial hardship, please contact me as soon as possible.
- Highlighters/Colored Pens/Pencils (not required)

Please consider donating the following items to the classroom at any time. I try to keep supplies on hand as they are often needed.

- Tissue
- Paper towels
- Clorox wipes
- Hand sanitizer
- Extra pencils/paper

Classroom Policies and Procedures:
- Be respectful at all times.
- Be on time to class. Tardiness will be handled in accordance with RRCS tardy policy.
- Follow RRCS uniform guidelines at all times. See the RRCS Uniform Guidelines for specifics.
- The use of personal electronics is not acceptable without permission and then only for educational purposes.
- Students are sometimes expected to view instructional videos prior to class and they continue to be available throughout the course as needed. Computer and internet access is a recommended. Please contact me immediately if other arrangements need to be made.

Grading Categories: **Final Grade:**

Classwork/Homework	25%	Semester 1 Average	40%
Quizzes	35%	Semester 2 Average	40%
Tests/Projects	50%	Final Exam	20%

FAQs
- **HW/Math Lab** is available after school Tuesday & Thursday, 3:45 - 4:30. Students may work on ANY homework during this time. Math **tutoring** is available during this time. Before school HW/Math Lab time may be available upon request. A "working" lunch may be utilized if needed or requested.
- Students may be required to complete alternate assignments for any missing or makeup work when the original due date is past.
- Some assignments may be corrected for additional credit equal to ½ the missed points.
- One re-test per grading period may be taken during tutoring hours. The higher grade is recorded.
- Students will be given 3 days to complete work missed due to an excused absence. It is the student's responsibility to request and complete all assignments.
- Turning in assignments late is discouraged. A 10% penalty may be assessed to any late assignment.

Course Outline
1st Quarter:
    Functions
    Systems of Equations and Matrices
    Polynomial, Rational, and Power Functions
2nd Quarter
    Trigonometry, Triangles and the Unit Circle
    Trigonometric Functions
    Midterm Exam

3rd Quarter
  Vectors, Parametric Equations, and Polar Form
  Analytic Geometry (Conics)
4th Quarter
  Exponential, Logarithmic, and Logistic Functions
  Sequences, Recursive Functions, and Limits
  Review and NC Final Exam (13 days)