**AP Calculus AB/BC School phone: (980)343-6300**

**M.Humphrey e-mail:** **m.humphrey@cms.k12.nc.us**

AP Calculus students will develop an understanding of the concepts of calculus through experience with its methods and application. Instruction is focused on developing student understanding of Calculus through multiple representations. Communication about the connections between the geometrical, numerical analytical and verbal representations of the mathematics are also emphasized and encouraged. Calculus BC is an extension of Calculus AB and both are designed to be challenging and demanding.

Technology will be used to reinforce relationships among multiple representation of functions, confirm written work, implement experimentation and assist in interpreting results.

Students will have opportunities to critique the work of their peers and to work cooperatively in small group setting on special problem assignments, homework and reviews.

It is the goal that students enrolled in this course will both pass the AP exam and, more importantly, be successful at the level of mathematics found in college level single variable calculus.

**MATERIALS TO HAVE IN CLASS EACH DAY:**

* Textbook or other written materials
* Pencils(Work completed in ink will receive NO CREDIT)
* 3 ring binder with plenty of notebook paper
* Graph Paper
* Graphing Calculator: TI-83+ or TI-84+

**BEHAVIOR EXPECTATIONS:**

* ***ASSUME RESPONSIBILITY****:* You are responsible for having the necessary materials and assignments for class each day. You are responsible for being in class and ready to learn on time each day.
* ***PARTICIPATE ACTIVELY****:* You are expected to participate in all class discussions and activities.
* ***RESPECT INDIVIDUALITY:*** You will respect the teacher, other students and others’ personal belongings.

*Failure to abide by these guidelines will result in one or more of the following:*

Removal from the planned activity Parent contact

 Lunch Detention After-School Detention

 Referral to the appropriate administrator

**ABSENCES/MAKE UP WORK:** You are expected to be in class every day. The school tardy policy will be enforced. If you must miss class, you will have five school days to make up missed work. *This is your responsibility!* In the case of a school related absence(field trip, etc.), work should be made up *prior to your absence* from class unless other arrangements are made with me ahead of time. With the exception of an absence, late work will be given reduced credit. If you find it necessary to be absent from school, it is *your* responsibility to complete all missed assignments.

**HOMEWORK/CLASSWORK:** Unless otherwise noted, homework and classwork will be graded for completeness. I expect you to attempt EVERY problem assigned. All work must be completed in *pencil*.

**ASSESSMENTS:** Assessments may be given on any day. Cumulative assessments will be announced at least a week in advance. Quick quizzes may be given without notice**. *If you are absent on the day of an assessment, you are expected to take the assessment the day you return.***

**GRADING:** Grades will be made up of Formal and Informal Assessments. Formal Assessments could include tests, projects, and/or quizzes. Informal Assessments could include homework, quizzes and class assignments. Final Grades will be calculated based on the BHS Grading Policy as follows:

* There will be a inimum of 4 formal assessments per course.
* Formal assessments will make up 70% of final grade.
* All students must be provided the opportunity for additional practice and a reassessment when scoring below 79% on a formal assessment. Options for additional practice will be provided by teacher and each instructional department will design specific details/logistics regarding student additional practice.
* Individual students can take formal reassessment once with the potential of earning a maximum score of 79%.
* Any student wishing to take a formal reassessment ***must contact teacher and complete additional practice within 7 calendar days of receiving graded original formal assessment.***
* Reassessment will be available on *Thursdays* before school in room 509, during all lunch periods in room 521 and after school in room 509.

**EXTRA HELP:** I am available most mornings before school for questions and on Mondays after school in room 513. Other times can be arranged with me as needed. Work to set up a study group with others in the class. Take advantage of these opportunities and work to develop good study habits.

**TEXT REMINDERS:** Text @mhumphrey2 to 81010 to receive important class reminders.

**WEBSITE:** mhumphrey.weebly.com

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**First Homework Assignment:** Parent/Guardian must contact Mrs. Humphrey by email with all contact phone numbers. This contact will also signify that they have read this opening letter and understand the expectations of the class. When emailing, please put the student name and class period in the subject line.