

WICOMICO HIGH SCHOOL

Mr. Andrew Thompson

athompso@wcboe.org

Dear Parent/Guardian and Student,

Welcome to the 2017-2018 school year. We are going to have an awesome year in AP Calculus BC. I look forward to exploring new concepts in math and applying them to real-life situations, while building on concepts students learned in the past. Calculus BC is a challenging course, but it opens up a new world of understanding in mathematics.

I have confidence that by working together all of my students can have a successful school year. This success will come through a combination of hard work, being willing to ask questions, demonstrating respect, and a positive classroom environment. The classroom is a place where students will be working together to learn by building off each other's strengths. Thus it is necessary that all students show each other the proper respect that they deserve. If students can understand this and buy into this concept we will have a GREAT year learning mathematics.

I also believe that parent-student-teacher communication is vital in order to have a successful school year. Working together as a unit, we will be able to support and provide for all of the needs of the students. Please feel free to contact me by email or leave a message for me at the office and I will respond as promptly as possible. Also please utilize our X2 Parent Portal, as this will allow you to stay up-to-date with grades throughout the year.

Please visit my website: E3mathematics.weebly.com to view your student's full syllabus. Included are my classroom expectations, basic procedures, grading policy and material list. Please discuss these items together, sign the bottom of this form, and return to me tomorrow. If you desire a paper copy please state in the comments below and I will gladly provide you with one.

Sincerely,



Mr. Andrew Thompson

I have read and reviewed Mr. Thompson's classroom expectations, procedures, and grading policy.

Print Student's Name

Student's Signature

Parent/Guardian's Name

Parent/Guardian's Signature

Contact information:

Please circle one. I prefer to be contacted by: email phone either

Email: _____

Phone: _____

Comments:

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AP Calculus BC

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Course Outline

Unit 1 – Limits: Students must be able to understand, compute, and apply limits. This will extend their Calculus AB knowledge and introduce limits of sequences and infinite limits.

Unit 2 – Derivatives: Students will be able to define, estimate and apply derivatives. The will include the use of tables and graphs, differential equations, the Mean Value Theorem, and a variety of real-world applications.

Unit 3 – Integrals and the Fundamental Theorem of Calculus: Students will be able to use integration techniques and properties of integrals to find definite integrals, indefinite integrals, and solutions to real world applications. Students will also be able to understand the relationship between integration and differentiation as expressed in the Fundamental Theorem of Calculus.

Unit 4 – Series: Students will be able to determine the convergence or divergence of a series. They will also be familiar with the Maclaurin series, Taylor series, and power series.

Classroom Rules, Expectations, and Procedures:

Classroom Rules:

1. **Follow all county and school rules.**
2. **RESPECT yourself, your teacher, your peers, and the classroom.**
3. **Come to class prepared, ready to learn, and on time.**
4. **Participate and communicate in a positive manner.**
5. **Work diligently on the task assigned.**

Classroom Consequences:

1. 1st offense- Verbal Warning
2. 2nd offense – Communication with home
3. 3rd offense – 30 minute detention and communication with home
4. 4th offence – Office referral

Procedures:

- + When the bell rings:
 - i. You should be in your seat working quietly on the warm-up. If you are not in the classroom when the bell rings you will be considered tardy. The third time you are tardy, you will receive a detention. Any subsequent tardy is an automatic referral.
 - ii. Your homework should be placed on the top left corner of your desk. If it is not out when I walk around the room it will be considered a zero.
- + Please do not ask to leave the classroom unless it is an emergency. You will receive a hall pass if deemed necessary.
- + The teacher will dismiss you from class, not the bell.

- + A free homework pass may be used for one assignment. There will be one issued to each student per term, which may be used during that term. If unused, it is redeemable for 5 extra credit points on one assignment at the end of the term.
- + If you are absent, it is **your** responsibility to get all MAKE-UP work. You will have five days to make up work from your absence. It is your responsibility to copy notes from a friend and get any bookwork assignments.

Expectations:

- + Work Hard
- + Ask Questions
- + Laugh
- + Be Courageous
- + Learn

Grading Policy:

Homework: 10 points possible

- *Homework is assigned almost everyday
- *Late homework: 5 points
- *NO WORK = NO CREDIT

Class work: 10-50 points possible

- *Late class work: Half credit
- *Weekly Participation Grade

Quizzes: 10-50 points possible

- *Quizzes vary in size and are given approximately once a week

Tests: 60 - 120 points possible

- *Test grades are final. Study.

Summative Assessments (Tests/Quizzes/Projects) 50%
Formative Assessments (Classwork/Homework) 50%

Materials List:

The bold items are required. All others are highly recommended.

- **Graphing Calculator (TI-83 or TI-84, recommended)**
You may rent one from the library at the start of the year
- **3-ring binder with five dividers and paper**
Or
Spiral Notebook with pockets
- **Pencils or Pens**
- **Paper**
- If you would like to volunteer a box of tissues, it would be most appreciated!!
(And you will receive an additional homework pass for the first term)

THANK YOU & LET'S HAVE A WONDERFUL SCHOOL YEAR!