Bergenfield High School

Bergenfield, New Jersey

Mathematics Department

Summer Course Work

in preparation for

AP Calculus AB

Completion of this summer work is required on the first day of the 2019-2020 school year.
June 2019,

Dear Parents and Guardians:

We are excited to present summer activities that math teachers of Bergenfield High School have created. Enclosed are math activities designed to help your son or daughter practice the skills which they have already learned and are critical to success in this course. As you may be aware, studies have shown that students who do not practice or review during the summer month the material they have already mastered lose some of that mastery. Unfortunately, this then requires the next teacher to spend valuable teaching time reviewing. While certainly not the final answer, this packet of activities is designed to help your son or daughter retain his or her math skills and knowledge.

Like you, we want your child to enjoy a wonderful summer. We urge you to encourage your child to take this task seriously and complete is successfully. Together we can make a difference in your child’s future. Now is the time to build on the foundation to help your child succeed on future standardized exams such as the NJSLA, and even more importantly, the SAT.

These activities will reinforce skills that were taught in previous courses. This assignment is voluntary and will not be graded but is recommended to ensure success in this course. Calculators are NOT to be used to complete this project except where noted. Please read all directions carefully.

We wish you a wonderful and safe summer.

Sincerely,

Jim Fasano                                          Carmen Archetto
Principal                                           Director of Mathematics
AP Calculus AB Summer Assignment 2019

**Directions:** Welcome to AP Calculus! Below is your summer assignment. You are to complete each topic to the best of your ability. Your goal is to do MOST of them correct. Do not spend too much time on any topic. Your main goal is to attempt each topic at least once.

- Khan academy assignments have been posted!
- Sign into google classroom and join the class using the code cht8i66.
- Once you have joined Google Classroom, your username will be pulled into our Khan academy classroom and assignments will be posted.
- Log into your Khan academy and begin your assignments.
- Any questions, email Mr. McGrath cmcgrath@bergenfield.org

**Topics:**

1. Review of Equations
2. Review of Functions
3. Review of Rational Exponents
4. Review of Polynomials
5. Review of Behavior of Functions
6. Review of exponential and Logarithmic Functions
7. Review of Geometry
8. Review of Graphs
9. Review of Powers
10. Review of Trigonometry