

Dear AP Calculus AB Student,

Welcome to AP Calculus!

I am so excited to have you in class and look forward to an awesome year! My goal for 2021 is to have a 100% pass rate and I need you to help me accomplish this goal!

In AP Calculus, you will expand upon what you have learned in H. Precalculus and learn more about limits, be introduced to differentiation, and learn what it means to integrate. We will investigate many different types of functions (linear, quadratic, exponential, piecewise, rate, etc.) and look at the slopes at different points on their graphs. We will also learn what the area between a function and the x-axis represents and what happens when we rotate that area around an axis! Rates? Oh yes! We will investigate some rate functions and see how much snow will accumulate on a driveway over a period of time, calculate the number of people in an amusement park at any given time, and determine how much water is in a tank at a certain time when water is being pumped into the tank while the tank has a hole in it.

I have had the privilege of teaching AP Calculus since 2012. I have a strong foundation in the curriculum as well as a network of great teachers across the state to professionally collaborate with and troubleshoot any concerns that arise.

The nature of the course requires a lot of practice outside of the classroom and requires a healthy attendance record. It is very important that you stay caught up on the material as the course builds on itself from day-to-day. I am available for tutoring afterschool one day a week and I also am available by appointment most any morning if I do not have a conflict. To make an appointment, simply email or send me a message through our Remind messaging system.

This is my 18<sup>th</sup> year of teaching and all of them have been at Western Guilford. Previously, I have taught Algebra 1, Algebra 2, Geometry, Math 1, Math 2, and H Precalculus. I do take pride in our school and want it to be the best that it can be!

I have been coaching baseball at Western Guilford for 17 years, which the last 5 have been as the head varsity coach. I spend a lot of time with our athletes in the off-season with workouts, coaching during summer baseball, and serving our community with our team.

When I am not at work, I enjoy time with my wife, son and daughter. We love being outdoors as much as possible.

This course is a great course that will challenge you and make you think critically. With my guidance and your hard work, you will have success in this class!! Enjoy the ride!

Sincerely,

Coach Wood