



# Calculus

Mr. Smith

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## Course Description

Plane analytic geometry and solid analytic geometry are studied intensively and then integrated with differential and integral calculus. In addition to the mechanics of differential and integral calculus, the mean value theorem, the fundamental theorems of differential and integral calculus, and ordinary and uniform continuity are emphasized. Limit theory and application of differential and integral calculus are also studied.

## Topics Include:

- Algebraic Concept Review
- Functions and Their Graphs
- Limits and Their Properties
- Differentiation
- Applications of Differentiation
- Integration
- Applications of Integration

## Rules and Expectations

- All school rules apply in this classroom. Please refer to your student handbook.
- You are to be inside the classroom when the bell rings and reading to start our class.
- No bullying. No exceptions. Have and show respect for yourself, for the school, for me and for your fellow classmates.
- Be polite and use appropriate language.
- Be prepared. Bring materials to class every day. This includes a pencil, folder AND your iPad.

*The third violation of any classroom rule or school policy will result in a teacher detention. Subsequent violations will result in an office referral.*

## PBIS Classroom Expectations

**Be Safe** – Listen to staff, maintain personal space, if you see something say something

**Respectful** – Be on time, be polite, use appropriate tone and language, video/pictures of others is unacceptable

**Accountable** – be prepared, be honest, do your own work, have iPad ready, use electronic devices only when permitted

**Victorious** – do your best work, celebrate success, share ideas with teachers/classmates

**Enthusiastic** – have a positive attitude, take ownership of learning



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## Class Structure

Many of our assignments will run through Canvas. There will be weekly playlists to see what assignments/activities we will be doing that week. There may be some days where we take tests/quizzes or do an activity that is not on Canvas. Because of this, **be aware that Canvas is not your official grade for my class. Refer to Power School for your official grade.**

## Assessment Methods

Many of our assignments will be completed in class, however there may be a few homework assignments or things that weren't quite finished in class that will need to be done at home. A weighted grading system will be used to calculate final grades. The three categories on Power School will be Tests (60%, tests and quizzes), Classwork (20%, homework and graded classwork), and Participation (20%, projects, activities). **Be aware that Canvas is not your official grade for my class. Please refer to Power School for your official grade.**

## Electronics Policy

IPads are to be used during class only for educational purposes. Cell phone use for non-educational activities is unnecessary. Inappropriate use of technology will result in discipline.

## Late assignments, Absences and Make-up Work

The majority of work will be completed in class. If you need more time to complete any assignment, make sure you will be able to complete it at home and turn it in. If it becomes late, you may lose points or receive a zero. If you are absent for any assignment, test, or quiz, you have two days to make up the assignment until the grade becomes a zero. Most assignments will be able to be found on Canvas when you are absent. If you check out Canvas on a day you miss and the assignment is not on there, you may need to e-mail or ask me about it. **Be aware that Canvas is not your official grade for my class, please refer to Power School for grades.**

## Extra Help

I am more than willing to provide any extra help that you may need. All you have to do is let me know and I can work out a time to get you some extra help. Please don't let yourself get behind and have to play catch up the rest of the year.

**These standards have been adopted by the math department and will apply to math classes.**

- Do your own work and take pride in it
- Show your work. No work = no credit.
- Although helping a peer to understand a concept is highly encouraged, do not just give or airdrop answers
- Do not discuss test questions or answers
- Ask for help if you are confused
- Do not give up
- Do not copy or take pictures of someone's work



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Please make sure you show your parent/guardian see this and have them sign off below.

**I have read and understand the above information**

Student name: \_\_\_\_\_

Student signature: \_\_\_\_\_

Parent or guardian name: \_\_\_\_\_

Parent or guardian signature: \_\_\_\_\_

**Parent/guardian,**

I may be contacting you at various times throughout the year with progress reports and updates regarding your child's standing in this class. Therefore, I need to know your email address and/or telephone number(s). Please also indicate the best time to call if I need to speak with you directly.

Email: 1) \_\_\_\_\_

2) \_\_\_\_\_

Telephone #: 1.) \_\_\_\_\_

2.) \_\_\_\_\_