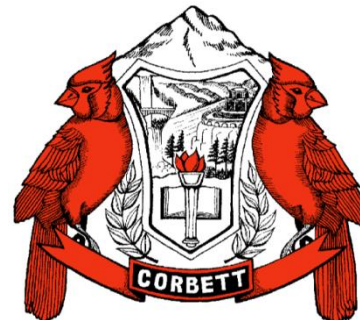


Course Name: Precalculus

Precalculus includes an in-depth study in algebraic, numerical, graphical representations of the twelve parent functions. Students connect these concepts to a variety of “real world” application problems. Regular usage of the graphing calculator will be an integral part of the program. We will also develop our skills in visualization, constructing mathematical arguments, and using algebra to efficiently solve problems. The following **Mathematical Practices** will be especially helpful in our journey:



- Make sense of the problems and persevere in solving them.
- Reason abstractly and quantitatively.
- Construct viable arguments and critique the reasoning of others.
- Model with mathematics.
- Use appropriate tools strategically.
- Attend to precision.
- Look for and make use of structure.
- Look for and express regularity in repeated reasoning.

Students will demonstrate effective teamwork during weekly group work activities, including using appropriate communication skills to give and receive information orally and in writing. Students will exhibit appropriate work ethic and behavior in class and on assignments and apply decision-making and problem-solving techniques to address problems that may arise. In utilizing these skills in our class, students will practice skills needed for employment and career experiences post-high school.

What Resources do I have?

- (Optional) Text: Precalculus: An Investigation of Functions (Lippman, Rasmussen: 2014)
 - <http://www.opentextbookstore.com/precalc/>
- Calculator (Suggested TI-84 Plus) -- Corbett High School has a few loaner calculators for those in need.
- Khan Academy

What Should I Be Doing When Class Starts?

- You should arrive to class ready to participate in any opening activity Mr. Binschus has for the classroom to engage in. The first five minutes of class will typically be reserved for Entrance Quiz.
- **You should have all electronics/cell phones placed out of sight. Headphones and ear buds should be removed. Cell phone calculators are unacceptable.**
 - First Infraction: Device given to office for parent/guardian retrieval

What Should I Be Doing When Class is Ending?

- You should be actively engaged in performing the suggested/expected homework. You should be assisting others in being successful in the classroom.

Mr Binschus' Class Expectations

Be Respectful

Have Fun

Be Responsible

Work Hard

How Is My Grade Calculated?

88 - 100% = A	78 - 87.99% = B	65 - 77.99% = C	<65% = Incomplete
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- There will be five categories for your grading:

40%	Entrance Quiz	<ul style="list-style-type: none"> ▪ Each day of class will begin with a small entrance quizzes, categorized by skill, and graded on a 4 point rubric. The average of all quizzes for the particular skill will be recorded (with the lowest score dropped). Each average will be given a corresponding letter grade. <ul style="list-style-type: none"> ○ 3.5 – 4 = A+(100%) ○ 3 – 3.49 = A (95%) ○ 2.5 – 2.99 = B (85%) ○ 1.75 – 2.49 = C (75%) ○ <1.75 = N (50%) ▪ These skills are available to retest.
20%	Big Four Skills	<ul style="list-style-type: none"> ▪ Periodically, we will take a larger version of an Entrance Quiz that relates to one of the Four Key Skills in class. These skill tests will be graded as percentage of available points earned. The average of all quizzes for the particular skill will be recorded (with the lowest score dropped). The avg. percentage will be recorded. <ul style="list-style-type: none"> • Trigonometric Equations, Ratios & Identities Unit 3 • Solving Equations & Intersecting Functions Unit 5 & PF Toolkit • Function Transformations Unit 5 & PF Toolkit • Evaluating Limits Unit 6 ▪ These skills are available to retest.
15%	Unit Tests	<ul style="list-style-type: none"> ▪ Each unit will have a unit test which will largely be multiple choice. ▪ Several questions on the Unit Test will be multiple choice variations to questions asked on the Entrance Quiz or shown in the homework packet. ▪ Unit test scores will be curved to a six point rubric. <ul style="list-style-type: none"> • 6 = 100% 5 = 95% 4 = 90% 3 = 85% 2 = 70% 1 = 50% ▪ If a student scores below 20% on the unit test, no score will be given. ▪ The unit tests can be retaken once for a better score.
15%	Term Final	<ul style="list-style-type: none"> ▪ Each term will have one cumulative Term Final. ▪ Several questions on the Term Final will be pulled directly from the multiple choice questions on the Unit Tests. ▪ Term final test scores will be curved to a six point rubric. ▪ The term final cannot be retaken.
10%	Weekly Online quiz	<ul style="list-style-type: none"> ▪ Every other week a bi-weekly quiz will be posted on the class website. ▪ This is an open note, open peer quiz and is due on the posted due date. ▪ Weekly quiz scores will be curved to a six point rubric. ▪ If a student scores below 20% on the weekly, no score will be given.

What If I Am Absent?

- Students are responsible for looking at the course website to preview material covered while they are absent. <https://sites.google.com/a/corbett.k12.or.us/binschus>
- Absent students can talk with Mr. Binschus to collect any necessary papers.

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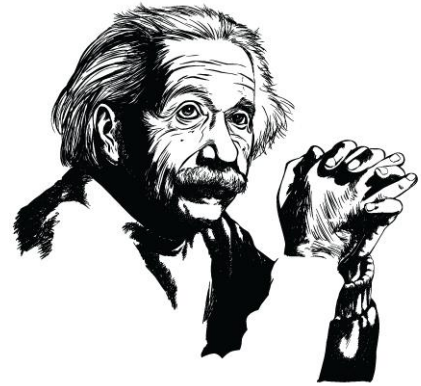
Work Hard

What If I Am Struggling? Is There Tutoring?

- **YES!** Mr. Binschus thrives on tutoring. He typically gets to school around 7:15 am every day and is available after school until 4:15 pm on Monday, Tuesday, and Wednesday.
- **YES!** The Corbett National Honors Society members offer peer tutoring. If you would like to schedule one-on-one tutoring, please contact Ms. Duprey to set up a peer tutor.

Why All The Questions?!?!

- All knowledge begins with a question. It's great to ask questions – to yourself, to your friends, to the teacher. It's *wonderful* to be curious. Much of this class will be composed of questions – they will be our guide to creativity, complexity, and comprehension. Aren't you excited?



“The important thing is not to stop questioning. Curiosity has its own reason for existing.” -Albert Einstein

Ask Good Questions, Conquer the World

"As a student enrolled in this class, I affirm the principle of academic integrity and commit to upholding integrity by completing all academic assignments in the manner expected, informing the instructor of suspected instances of academic misconduct by my peers, and fully engaging in the class and its related assignments for the purpose of learning." I, _____, understand the details outlined above. I will work to uphold these expectations in the classroom.

Student Signature: _____

I have enrolled in Mr Binschus' remind.com remind messages: ___ Yes ___ No

To receive messages via email, please email: chs-precac@mail.remind.com

or send the following text to 81010 : @chs-precac

Parent/Guardian Signature: _____

Email Address: _____

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