

PreCalculus

2020 - 2021



Mrs. Sparks, Mr. Squiers,
Mrs. Calhoun, and Ms. Fitzgerald

Welcome to Pre-Calculus! This will be a rigorous course that will reinforce and build upon the foundations from Algebra 2 and introduce Trigonometry. It is imperative that each student stay on top of the material and do all they can to be successful. I am looking forward to a great year! Here are a few guidelines that will help us ensure that we are successful this year:

Class Expectations:

- *Respect* others by treating them as you wish to be treated
- *Respect* your education by being prepared for class
- *Respect* our time in class by not working on other assignments, using cell phone, or distracting others
- *Respect* the classroom by taking care of classroom supplies and furniture

SUPPLIES:

Daily Supplies:

- Fully charged school chromebook
- Headphones
- Minimum 1 inch Binder per semester
- Set of 5 dividers per semester
- Pencil - preferably mechanical
- Expo marker and eraser
- Loose leaf notebook paper

Optional Supplies:

- Markers or colored pencils
- Colored Pens
- Highlighters



Daily GRADES (40%)

Homework/Daily Assignments

Homework and daily assignments, either online or on paper, will be assigned multiple times in each unit. You **must** show work to receive full credit. Assignments turned in late will have a max grade of 70 and need to be turned in by the next class period.

Quizzes

Quizzes will be given periodically to ensure understanding of the assigned topic. Quizzes will be weighted as two daily grades.

MAJOR GRADES (60%)

Tests or Projects will be given over each unit covered in class. This amounts to about 2 or 3 per nine weeks.

Grades will be updated weekly on *Skyward*.

UNITS of STUDY

Unit 1 - Foundations for Functions

Unit 2 - Transformation, Inverses & Compositions

Unit 3 - Polynomials

Unit 4 - Rational Functions

Unit 5 - Exponential & Logarithmic Functions

Unit 6 - Triangle Trigonometry

Unit 7 - Rotation Angles & the Unit Circle

Unit 8 - Graphing Trigonometric Functions

Unit 9 - Identities, Proofs & Trig Equations

Unit 10 - Vectors & Polar Graphing

Unit 11 - Parametric Equations & Conic Sections

Unit 12 - Sequences & Series

Web Assign / Online Textbook:

The online homework program is called Web Assign: www.webassign.net/login.html This program will be free for all Pre-Calculus students. (Further directions will be handed out in class for this program.) The Pre-Calculus book can be found online through Web Assign.

Website:

Visit Prosper High School's website to find the class web page. On the website select staff, staff directory/classroom pages, [Teacher's name] for class information. Google Classroom will be used for class discussions, an assignment calendar, classroom papers, and a review of the day's lesson.

Make-up Work

The best way to be successful in this class, is to be present every day. However, when you are absent, it is ***your responsibility*** to find out what you missed and make up the work. If you are absent for any announced quiz or test, you will make it up as soon as you return to class. If it is a planned absence, you are responsible to be caught up with the material when you come back to class. Many of the day's lessons will be posted on Google Classroom.. Please check the website for additional instruction and copies of classroom papers. Students are allowed to make up tests/assignments for full credit giving one day to make up work for every one day of excused absence.

Academic Dishonesty

Copying another student's work on **ANY** assignment is considered cheating and will **NOT** be tolerated. Students caught cheating will receive a zero on that assignment and a discipline referral. This applies to **BOTH** the student copying and the student sharing his/her work. Cell phones are prohibited to be out during a quiz/test. If phone is out during a quiz/test, it will be considered cheating. PHS cheating policy will be enforced.

MATH
M¹ + 1 = 2
MAKES YOUR
LIFE ADD UP!

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WITH YOUR HELP, WE CAN MAKE THIS A GREAT YEAR!