

# Orange High School

## 2020-2021 Pre-Calculus Syllabus

Instructor: Ms. Minsun Park

Email: parkmins@orange.k12.nj.us

Dear Students and Parents/Guardians,

Welcome back to Orange High School for the 2020-2021 school year! I am looking forward to a year of fun and learning. Parents/Guardians are encouraged to contact me regarding any concerns or questions regarding your child in my class. You can reach me by email. I will do my best to respond as quickly as possible.

*This syllabus should be review together by students and parents/guardians, signed, and returned to school.*

### **Course Description:**

Pre-Calculus, as its name indicates, is designed to prepare you for Calculus, either in high school or college. Topics include understanding algebraic and polynomial functions, exponential and logarithmic functions, and conic sections. Students will also study applications of trigonometry, trigonometric identities and equations, mathematical induction, and the concept of limits. In addition to content mastery, the course goals are to further develop students' problem solving and critical thinking skills. The difficulty level of the material increases significantly throughout the semester. Students should be prepared to be challenged and work hard. Students are encouraged to form study groups with peers, practicing beyond daily assignments in an effort to master skills. Technology will be incorporated throughout the curriculum.

### **Course Outline:**

Unit 1: Functions and Their Graphs

Unit 2: Polynomial and Rational Functions

Unit 3: Exponential and Logarithmic Functions

Unit 4: Trigonometry

Unit 5: Solving Trigonometric Equations

Unit 6: Trigonometric Applications

Unit 7: Analytic Geometry

Unit 8: Limits and Continuity

### **Required Supplies:**

- Textbook: *Precalculus*, 7<sup>th</sup> Edition, Larson & Hostetler, Brooks/Cole Cengage Learning (Will be provided by pdf form)
- Pencil and eraser
- Notebook (It is required and used exclusively for Pre-Calculus)
- Folder (It is required and used exclusively for Pre-Calculus)

Note: I will perform periodic "supplies checks" which will affect your classwork grade.

School Record Keeping Policy: Parents/Guardians, teachers and administrators will have the right to look at the students' notebooks and folder at any time. Therefore, students must always place their work in their notebook or folder as soon as possible.
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## **Grading Policy:**

The grade for each marking period will be determined based on the following percentages according to school policy:

- Tests: 25%
- Authentic assessment: 25%
- Quizzes: 20%
- Class work: 20%
- Homework 10%

## **Quizzes/Tests:**

Students will be given 10-20 minutes quizzes every Friday. Tests will be given after learning 3-4 sections, and will be announced at least one week before. Quizzes and tests will cover the concepts and skills that covered during class. To be successful, you should complete all assigned homework, participate in class, and review these topics prior to the quizzes/tests. If you miss class when a quiz or test is announced, you will still be responsible for taking the quiz/test with the class. Any quizzes/tests that students miss must be made up or it will count as a zero. Please take my advice: the longer you wait to make quizzes and tests up, the less you remember the material. Please do not wait to make up missing quizzes/tests.

## **Authentic Assessments:**

There will be at least 2 authentic assessments every marking period.

1. Performance task
2. Project or Rich tasks

## **Class Work:**

Whether it is individual work or group work, you are expected to actively work on these assignments. Your grade will reflect not only 1) the accuracy of your answers on a daily exit ticket, but also 2) the effort you put in during class. Even a perfect exit ticket will receive a "D" or "F" if I notice you are not using class time effectively. For more information on the school's class work grading policy, check your student handbooks. No late class work will be accepted.

## **Homework:**

Homework will be assigned every day and will be due at the beginning of the next class. Homework is for you to practice concepts and skills that you learned. A partially completed assignment will not receive full credit. And if you just show the answers to the problems, you will not receive any credit. Make sure you show all work. If your homework is 1-day late, you will get 80%. If your homework is late more than 1-day but no later than 1 week, you will get 50%.

## **Make up Policy:**

It is your responsibility to make up all notes, assignments, tests and quizzes when you are absent. If you were absent on a due date, all work is due the day you return; deadline for assignments given on the day you were absent will be discussed. Missed assignments and handouts will be placed in the make-up folder. Missed quizzes and texts are to be made up on your own time: during lunch or after school. Please see me to make the arrangements.

## **Rules and Expectations for Online Class:**

I am expecting the followings from you every single day:

- Find your spot at home for online class learning (Consider volume and work space)
- Set up your learning materials and supplies before the class (pencil, eraser, notebook, homework, and learning attitude)

- Log in your class at least 2 minutes before the class starts
- Turn your camera on and mute your microphone (always raise your hand before you speak)
- Be respectful at all times towards other students and teachers
- Listen actively, pay attention, and do your best with positive thinking and attitude
- Document your daily work (Use a notebook to take notes and make a folder on your computer to collect all work (assignment, quizzes and tests)
- Complete and submit both classwork and homework on Google Classroom
- Routinely check Google Classroom and Reminds for information on courses, assignments, and resources on a daily basis
- Students will adhere to all OHS rules and policies

**Extra help:**

I will be available daily to answer any questions you may have. My virtual office hours are as follows:

Monday-Friday, 1:15PM-3:15PM

**Requirements to Receive Credit:**

I will be following the OHS student handbook regarding attendance, absences, and behavior. Please feel free to email me if you have any questions about attendance or lateness.

## Pre-Calculus Syllabus Agreement (Student)

I HAVE READ AND UNDERSTAND THE EXPECTATIONS OF THIS CLASS AS OUTLINED IN THE SYLLABUS. I AGREE TO ABIDE BY THE RULES AND PROCEDURES ESTABLISHED BY THE INSTRUCTOR.

Student's Printed Name: \_\_\_\_\_

Student's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## Pre-Calculus Syllabus Agreement (Parent/Guardian)

I HAVE READ AND UNDERSTAND THE EXPECTATIONS OF THIS CLASS AS OUTLINED IN THE SYLLABUS. I AGREE TO ABIDE BY THE RULES AND PROCEDURES ESTABLISHED BY THE INSTRUCTOR.

Student's Printed Name: \_\_\_\_\_

Parent's Printed Name: \_\_\_\_\_

(please state the relationship with student. Ex. Mom/Dad/Uncle/Aunt/Sister/Brother/Guardian)

Parent's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Current Parent Phone Number: \_\_\_\_\_

Current Parent Email: \_\_\_\_\_

Preferred method of communication (e-mail/phone/text): \_\_\_\_\_

This will be graded as homework.

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