Course Overview

This Honors level Pre-Calculus course is an accelerated course where you will master the skills necessary to be successful in AP Calculus. The topics we will study include polynomials, exponential and logarithmic functions, conic sections, analytical proof, trigonometry and the complex plane, and sequence and series. The purpose of this course is to develop the students’ ability to analyze, interpret and predict the behavior of functions and relations.

This course addresses the following expectations for student learning: critical and creative thinking, demonstrating technological skills, and demonstrating a sense of responsibility.

Materials Required:

1. Writing utensils (pencils for writing and red pens for correcting) and eraser.
2. A graphing calculator. (TI-84 Recommended)
3. A 3-ring binder for notes and handouts.
4. Loose leaf lined paper.

Grading policy

Tests & Quizzes (75%)

Tests and quizzes will be announced ahead of time. The date and topics will be posted on the board and teacher's webpage.

Quarter tests will cover topics from an entire quarter, and sometimes might even exceed the scope of one quarter. They are summative assessments that demonstrate what you have learned. Quarter tests are worth 100 points each and there is one quarter test per quarter.

Quizzes are brief assessments of your understanding of the topics at that instant in time. Quizzes are usually worth around 50 points each and there are typically 4-5 quizzes per quarter.

Retakes of quizzes are available upon request; however, quarter tests are not available for retake.

Class participation (25%)

Every student is expected to actively participate in all class activities. Class participation grade is determined by the following: attendance, notes, class-work, in-class homework check, warm-up and ticket out the door problems. Unexcused absence or tardy will negatively impact your class participation grade. Work must be shown on all assignments to support your answer. Unexcused late assignments are not accepted for credit.

Other Expectations:

Attendance – It is your responsibility to come to every class meeting on time with required materials and completed assignments. If you come to class after the bell has rung without a valid pass, it is considered an unexcused tardy and will result in a deduction from your participation points, a teacher's detention, or office referral.
**Absences/dismissals** – Please refer to King Philip Regional High School Student Handbook on attendance, tardy, and details on make-up policies. Students can make up a test or a quiz after school on my extra help days or during my duty Period C by appointment.

**Classroom rules**
- Be Prepared – Students are expected to be in their seats and ready to work the moment the bell rings. Required materials should be brought to class every day.
- No Cell Phones or other electronic devices – The use of cell phones, iPods, and other electronic devices is prohibited in the classroom.
- Academic Dishonesty – Cheating and plagiarism will not be tolerated. Students caught cheating or using the work of others will receive a score of zero.
- Be Respectful – Students are expected to be respectful of their fellow students and their teachers.

Failure to behave in accordance with classroom rules will result in teacher’s detention, office detention and/or other consequences.

In addition, all students are expected to behave in accordance with King Philip Regional High School policies outlined in King Philip Regional High School Student Handbook.

Lastly, listed below are the expectations from the Program of Studies set by the math department for students taking the honors level courses. Please review these expectations and consider how you will meet and even exceed these criteria for a successful year!

**HONORS**
In selecting Honors mathematics courses, the students should demonstrate the following:
- high motivation, self-direction, responsibility.
- preparation for class: independent reading and note-taking from textbook.
- recall of essential skills from prerequisite course work.
- ability to complete assessment in prescribed time frame.
- consistent employment of appropriate problem-solving strategies, analysis of problems, and appropriate connections to both prior knowledge and real world situations.
- communication of mathematical knowledge, both symbolically and verbally.
- consistent application of logical reasoning in drawing conclusions to problems.
- independent completion of selected assignments, both long and short.
- an ability to learn in an accelerated environment.

If you have any questions or concerns, please email me at wangc@kingphilip.org.

Sincerely,

Chenfang Wang
Parents/Guardians: please sign below and return to the teacher or send an email to wangc@kingphilip.org to confirm that you have read, understood and agreed to 2018-2019 Honors Pre-Calculus Course Expectation.

__________________________  ______________________________
Parent(s)/Guardian(s) Name (please print)  Parent(s)/Guardian(s) Signature

__________________________  ______________________________
Student Name (please print)  Student Signature

Please leave your contact information if it is not already in Infinite Campus.