

12th Grade Math (Math 4):

2018-2019 Honors Syllabus

Instructor:

Andrew J. Vernon (aka Dr. Drew)
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Digital Portfolio: <http://ajv.me/hth>

Office Hours:

Mondays: 3:30-4:00
Wednesdays: 11:45-12:15
Fridays: 7:45-8:15 (by appointment)

Honors Overview

High Tech High North County is committed to providing you with the experiences you need to be successful in life. An integral part of that success takes place in college which is why we are excited to offer an Honors Credit Option during your senior year.

Similar to your Grade 11 Honors options, the Grade 12 Math Honors is an opportunity for students to be guided through math concepts that are not covered in the regular class but also to dive deeper into topics that are covered and develop further the skills needed to be successful in college-level math. This includes:

Connections to AP Calculus

The CPM Calculus Third Edition is aligned with the requirements for AP calculus. Honors students will become familiar with those requirements as the content is covered in the regular class. Occasionally, additional AP-based resources will be used to give students more practice with the AP requirements.

Critical Thinking and Collaboration

Approximately every 2-3 weeks, I will give a mini-lesson on the trigonometry and calculus topics that are not covered in class. These will typically be held on Mondays at lunch, with the possibility of a repeat of the lesson on a Tuesday or Wednesday after school.

Leadership

Each student will engage in peer assistance or an additional leadership role. You will be providing academic assistance to students in your class during lunch or office hours, or completing a review for students to utilize to prepare for quizzes and tests. Participation in additional peer tutoring during office hours and lunch may become required, at least 1 time a semester, but can happen more.

Rigor

You will be responsible for additional, in class course work on a regular basis. For example you may be asked to answer more challenging questions, complete additional sections on exams, and so forth.

12th Grade Math 2018-2019 Honors Agreement

The Honors program at High Tech High North County exists for students who desire an additional challenge. Students who wish to take the class for honors credit are committed to the regular class workload, plus additional project work, papers and exam questions. The additional workload requires a greater degree of mathematical knowledge and understanding, and perseverance to challenge yourself. I am highly recommending this course to students interested in the STEaM fields.

We recognize that one reason that students take honors courses is the weighted GPA that comes with this course, which helps during college admissions. Therefore, we allow students to take courses for honors credit for which UC will grant weighted GPA's, namely junior and senior core classes.

It will be the student's responsibility to prepare for the assignments and to seek assistance from the teacher whenever necessary. Honors coursework is graded and there is a **zero tolerance policy** for late honors-specific work. Work must be turned in on the specified due date. Students are aware of due-dates far in advance so they have plenty of time to work out computer/printer/life issues. The strict policy is not meant to put pressure on students but is a means for students to demonstrate high academic achievement and personal responsibility.

Students must commit to the honors program for the **entire semester**. Requests to take the Honors Credit Option must be submitted to Andrew Vernon **no later than September 7th**. Requests will be handled on a case-by-case basis, and will include an assessment of the Honors Summer Assignment.

I, _____, am committed to taking 12th Grade Mathematics for Honors Credit. I understand that I am committed to the honors program for the **entire semester** regardless of what my grade is at any given point of the semester. I also understand that it is my responsibility to prepare for honors assignments and that I am required to seek assistance whenever necessary.

Student Signature

Date

Parent/Guardian Signature

Date

I will acknowledge acceptance for Honors Credit with my signature (after having a conversation with students about their preparedness for the challenge of this course, if necessary):

Teacher Signature

Date