

Grade 12 Math 4 / Calculus

2019-2020 Honors Syllabus

Instructor:

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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. The Grade 12 Math Honors is designed to provide opportunities for additional growth as a mathematician and to develop further the skills needed to be successful in college-level math. Similar to your Grade 11 Honors options, the Grade 12 Math Honors is an opportunity for students to explore math concepts that are not covered in the regular class but also to dive deeper into topics that are covered. In addition to rigor, the Honors option also encourages students to further develop their leadership abilities, collaboration skills, and their independence. This is all captured in the four dimensions of the Grade 12 Math Honors, to which each Honors student must aspire to excel:

Dimension #1: Rigor

In addition to the GPA weighting, Honors Students will be listed as having taken “Calculus” on their HTHNC transcript and college applications (in contrast to non-Honors students whose transcripts will list the class as “Math 4”). With this, Honors Students are expected to have a more rigorous experience with the coursework: they will be required to delve deeper into some of the concepts we will be covering, they will be expected to take on challenge options/questions, and they will be expected to fully challenge themselves.

Dimension #2: Leadership

Honors Students are expected to take on leadership roles, both day-to-day in the classroom and for the Exhibition Project in December.

Dimension #3: Peer Engagement and Participation

Honors Students are expected to be role models for peer interaction and classroom participation (both group work and classroom discussions).

Dimension #4: Personalization

Honors Students will choose at least one of the previous three dimensions to personalize for their Honors Portfolio (“Design Your Own Adventure”). There are few, if any, limitations on you could personalize your Honors experience. For example, you could choose “Rigor” as a dimension and design an additional course of study that you will undertake over the course of the year. Similarly, you could choose “Leadership” and volunteer to design/lead the Exhibition Project. For “Peer Engagement” you could volunteer to hold your own office hours to provide academic assistance for your peers.

Honors Check-Ins and the Honors Portfolio

Honors Students will be expected to attend office hours once a month to do one-on-one check-ins on their honors work. The first check-in in September will be to finalize their “Personalization” plans. Over the course of the year, Honors students will document their progress in an Honors Portfolio, which they will present in the form of a Presentation of Learning (POL) at the end of the year.

Grade 12 Math 2019-2020 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 the additional work related to the four dimensions noted in the Honors Syllabus.

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 undertake the Honors work and to seek assistance from the teacher whenever necessary. Honors work is graded.

Students are *expected to commit* to the Honors program for the full year and *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 9th**, and must include a preliminary plan for the "Personalization" dimension.

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 undertake the honors work and that I am required to seek assistance whenever necessary.

Student Signature

Date

Parent/Guardian Signature

Date