

# Grade 12 Math 4 / Calculus

# 2020-2021 Honors Contract

**Instructor:**

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Digital Portfolio: <https://ajv.me>

**Office Hours:**

Tuesdays-Fridays: 2:30-3:00

## 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 complete a parallel unit on trigonometry. Honors coursework is graded and there is a zero-tolerance policy for late work. Students are aware of due-dates far in advance so they have plenty of time to work out any conflicts or issues. The strict policy is not meant to put pressure on students. In light of this, students need to demonstrate high academic achievement and personal responsibility.

### Dimension #2: Leadership

Honors students are expected to take on leadership roles, both day-to-day 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: Helping Others Excel (Optional for Semester 1)

Honors students (and non-Honors students) have the option of volunteering their time to help others learn math. There are two possible options:

1. One option is to offer mentoring/tutoring to your classmates, either during my office hours or setting up your own office hours (we'll make arrangements for a Zoom room that you can use).
2. The second option is to be a mentor/tutor in Mr. Olivas' Grade 8 Math Class. A schedule would be set-up where you'd be in his Zoom classroom on a regular basis, for example every Monday morning, helping his students for about 30-45 minutes. It may be possible to mentor during our regular class time, which would require a one-on-one conversation to ensure that's the best option.

# 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 Contract.

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; specifically, Honors students are expected to use Office Hours if they are having difficulty completing the required challenge options. 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 7<sup>th</sup>** and the request must include this signed agreement (requests will be made via Pathwright).

I, \_\_\_\_\_, am committed to taking 12<sup>th</sup> 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