

Calculus

Dear Student & Parents,

Welcome to the 2022-2023 school year at the Governor's School for Science and Technology! My name is Mrs. Yee and I will be teaching Calculus this year. I am really excited to see what this year has in store for us. If you ever have any questions or concerns during the year please let me know. My goal is to help your child succeed in school and exceed their goals for this year.

Prerequisites: Math Analysis or PreCalculus

Contact Info:

- Email: deidre.yee@nhrec.org
- Voicemail: (757) 766 - 1100 x 3394
- Schedule:

AM - Monday / Tuesday / Wednesday / Thursday			
Time	7:10am - 7:55am	8:00am - 8:45am	8:50am - 10:25am
Class	P1 =	P2 =	P3/P4 = Science
AM - Friday (no new instruction)			
Time	7:10am - 7:50am	7:55am - 8:35am	8:40am - 9:40am
Class	P1 Support	P2 Support	Science Support
			Research Advising
PM - Monday / Tuesday / Wednesday / Thursday			
Time	11:20am - 12:55pm	1:00pm - 1:45pm	1:50pm - 2:35pm
Class	P5/P6 = Science	P7 =	P8 =
PM - Friday (no new instruction)			
Time	11:20am - 12:20pm	12:25pm - 1:05pm	1:10pm - 1:50pm
Class	Science Support	Research Advising	P7 Support
			P8 Support

Materials:

- Class Textbook - Calculus, 7th edition by Stewart
- 3 Subject Spiral Notebook (for notes and classwork)
- 2" 3-ring binder & Tabs (Notes, Assignments, Review Packets, Tests & Quizzes, Helpful Handouts)
- TI 84+ Graphing Calculator ***If you cannot afford one, please speak with me privately.*

TNCC Dual Enrollment

Students have the option to sign up for dual enrollment through Virginia Peninsula Community College (VPCC) for college credit using the online program DualEnroll.

The decision to dual-enroll in a course requires careful consideration. You have options, as you can see from the [DE module](#) on Faculty Advising Canvas course. You may wish to contact your top choice colleges to ask what the impact of taking a dual-enrollment course might be for your goals, particularly if you do not perform to your expectations in the course. Please be aware that you are generating a permanent college transcript with all the courses for which you are dual-enrolled. You can also use the dual-enrollment student guide from [Transfer Virginia](#) to help you determine the potential impact.

If you choose to dual-enroll, you must monitor your course grade. If you find you are not earning grades you want to have on your permanent college transcript, you may consider dropping the dual-enrollment portion prior to the Add/Drop date for the term of the course, or to withdraw from the dual-enrollment portion prior to the Withdrawal date. If you choose to withdraw from dual enrollment for the class, you will still earn high school credit and can plan to be well-prepared for the class in college. Dropping will have no record on your transcript, while withdrawal will leave a note on your college transcript indicating you withdrew, but no grade will be recorded on your college transcript. You can request a decline or withdrawal form from me or from Mrs. Yee.

No matter what you choose to do, I will respect your wishes. I want to work with you to support your learning, but I cannot learn the information for you; you will have to invest effort in the course in order to succeed. This may require you to learn new learning strategies that you haven't used in the past. I will do my utmost to support your personal learning in the class and encourage you to pursue your goals.

Grades:

- Governor's School:
 - A = 90 - 100
 - B = 80 - 89
 - C = 70 - 79
 - D = 60 - 69
 - F = less than 60
- Calculus:
 - Tests: 60%
 - Quizzes & Projects: 25%
 - CW & HW: 15%

[GSST Grading Policy](#)

Curriculum:

FIRST SEMESTER

1. Limits & Continuity
2. Differentiation Rules
3. More Differentiation Rules
4. Applications of Differentiation
5. Integrals
6. Applications of Integration

SECOND SEMESTER

7. Techniques of Integration
8. Infinite Series
9. Power Series
10. Differential Equations
11. Polar and Parametric
12. Further Applications of Integration

Class Expectations

- Videos/Notes - ***This class will be conducted in a flipped format.*** Your lessons/notes will be available as videos in Canvas with YouTube links. If you do not have access to a reliable internet connection at home, please speak with me so we can identify alternate solutions.
- Lesson Check - ***After each video lesson, you will complete a lesson check quiz in Canvas.*** This highlights the key takeaways of the lesson and identify how well you comprehended the material. Although Canvas will give you a grade for the lesson, if you complete it on time, the grade will be overridden and become a 5/5 grade.
- Assignments - During class time, you will be asked to complete assignments. The structure of these assignments will vary: problem sets, worksheets, projects, etc. If you do not finish during class time, you may complete independently at home. Assignments will be due at the beginning of the next class.
- Test Review - At the end of each unit, you will receive a test review packet. You will be expected to have this completed and turned in on test day.

Quarterly Expectations:

- Keep your work - Errors in gradebook entry do occur, so please keep your work in case there are any errors that need to be fixed.
- Test Corrections - When you receive a graded test, please retry the problems you lost points on before you forget the material you learned. On one test per quarter, you will be allowed to receive 50% back of the points you lost (50 > 75, 60 > 80, etc).







Attendance Policies

- Excuses Absences - Doctor's appointments, surgeries, field trips, and vacations are considered excused absences. A note or email from your parent, teacher, or school is required. If you will be absent for an extended period of time, please make arrangements with me to get course material early.
- Unexcused Absences - If you are absent without prior knowledge (illness), this is considered an unexcused absence until a note from your parent has been provided. If you are absent for one or two days, please check Edmodo for missed material. If you are absent for more, we can discuss how to get you caught up on Edmodo or when you return.
- Test/Quiz Absences - If you are absent the day a test or quiz is given, you will be expected to take the test/quiz the first day you return, unless you can make other arrangements such as coming to school early or staying later.

AP Practice / Exams

- Mrs. Yee will invite you to an AP Prep "class" in Canvas where all AP prep materials will be.
- AB
 - All material will be covered by the time of the AB exam (? Monday, May 8)
 - Quarters 3 & 4 - Practice free response questions will be available for extra credit on Fridays. Two versions will be available, so you will only need to complete the AB version
- BC
 - Vectors are not covered in the GSST Calculus class. Supplementary materials will be provided to help you study these topics in the AP Prep section of Canvas.
 - Quarters 3 & 4 - Practice free response questions will be available for extra credit on Wednesdays. Two versions will be available, so you will only need to complete the BC version.

Helpful SmartPhone Apps

Icon	App Name	Purpose
	Power School	Allows you to view your grades for Governor's School classes. If it is needed, the district code is "JPPH"
	Gmail	Sync with your Governor's School email. You can use it to communicate with your Governor's School teachers, classmates, and mentors on the go.
	New Horizons Regional Edu Ctrs	Quick and easy access to faculty contacts, grades, events (such as snow days and delays), etc
	Canvas Red = Student Blue = Parent	Allows you to communicate with your Governor's School teachers and classmates on the go. Canvas is also where you can find the class notes, helpful videos, homework assignments, practice quizzes, and flashcards (outside Quizlet)
	Office Lens	Allows you to use your phone's camera to combine multiple images into one PDF for uploading assignments as a single file.
	Quizlet	Access to teacher made flashcards with various self-quiz options.

Course Collaboration Guidelines on Assignments in Calculus

Students: Please read these guidelines carefully, then sign below and have a parent sign. If you have any questions now or during the year about acceptable assistance, ask your teacher.

Type of Assignment	Is Collaboration Permitted?	What Type of Collaboration is Permitted?
Projects	Varies upon project	Please see project descriptions about collaboration. Individual project should be worked on independently, but collaboration is allowed on group projects.
Homework	Yes	Students are allowed to use any resource (books, parents, classmates, internet) necessary as a guideline only or to ask questions. Being told or rewriting step-by-step work is considered copying/cheating.
Quiz or Test	No	
Test Corrections	No	Students are to communicate with the teacher if he/she is struggling with test corrections. Students can communicate with the teacher via email or Canvas, one-on-one Zoom session, or are welcome to come to school early or stay after school .

FOR THE STUDENT:

Please *initial each statement* on the lines provided, indicating that you have read it.

- I acknowledge that this class will be conducted in a flipped format where the homework is to watch a video and complete a lesson check quiz to prepare for class assignments. _____
- I will not throw out my assignments in case there are any errors with the gradebook. _____
- Upon receiving a graded test, I will retry the problems that were marked incorrect. _____
- I have read the rules governing collaboration in this class and agree to abide by them. I understand that any form of assistance that is not expressly permitted is forbidden and may result in disciplinary action. If I have any questions about an assignment, I will ask my teacher. _____

Printed Name

Signature

Date

FOR THE PARENT:

Please *initial each statement* on the lines provided, indicating that you have read it.

- I understand that my student's math class will be conducted in a flipped format and will need internet and/or computer access to watch lesson videos at home. _____
- I am aware that I can keep track of my student's grades in Canvas and PowerSchool via the internet or smartphone app. _____
- I have read the rules governing collaboration in this class. I understand that any form of assistance that is not expressly permitted (*including parental assistance*) is forbidden and may result in disciplinary action for my student. _____

Printed Name

Signature

Date