

# Applied Calculus

Dear Student & Parents,

Welcome to the 2020-2021 school year at the Governor's School for Science and Technology! My name is Ms. Jeter, and I will be teaching PreCalculus and Applied Calculus this year. This school year is presenting some unique situations, but my goal this year is to hope for the best, plan for the worst, and make the best of what we've got. 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.jeter@nhrec.org](mailto:deidre.jeter@nhrec.org)
- School Phone: (757) 766 - 1100 x 3394
- Google Voice due to CoVid-19: (757) 542 - 0747
- Schedule:

Monday, Tuesday, Thursday, Friday (below)

Times	P1 7:10 - 7:58	P2 8:00 - 8:48	P3 & P4 8:50 - 10:25	P5 & P6 11:20 - 12:55	P7 12:57 - 1:45	P8 1:47 - 2:35
Class	PreCalculus	Applied Calculus	Office Hours	Lunch & Office Hours	PreCalculus	Applied Calculus

Wednesday → Academic and Research Support in place of class instruction, Check-in required.

Materials:

- Textbook - Calculus: An Applied Approach, 10<sup>th</sup> edition by Larson - pdfs will be available in Canvas until textbooks are distributed at the drive thru on Tuesday, September 15 @ 4 - 6pm.
- 3 Subject Spiral Notebook (for notes)
- 2" 3-ring binder & Tabs (Notes, Lab/App, CW/HW, Review, Quiz/Test)
- Graphing Calculator (preferably TI 84+)
  - Wabbitemu available with Windows Emulator or Android Phone
  - Desmos available with internet browser and smartphone app

TNCC Dual Enrollment - Dual enrollment forms will be provided each semester. If you decide to withdraw, we must know by \_\_\_\_\_ for Fall classes and \_\_\_\_\_ for Spring Classes.

### Grades:

- Governor's School:
  - A = 90 - 100
  - B = 80 - 89
  - C = 70 - 79
  - D = 60 - 69
  - F = less than 60
- Applied Calculus:
  - Tests: 40%
  - Quizzes: 25%
  - Labs & Applications: 15%
  - CW/HW: 15%
  - Social Participation: 5%

### Curriculum:








#### *FIRST SEMESTER*

1. PreCalculus Review & Limits
2. Differentiation
3. Applications of the Derivative
4. Exponential and Logarithmic Functions
5. Integration and Its Applications

#### *SECOND SEMESTER*

6. Trigonometric Functions
7. Differential Equations
8. AP Calculus AB Prep, OR  
Independent Study Project
9. Functions and Several Variables

### 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	Access GSST class materials and upload assignments from your mobile device.
	Office Lens	Allows you to take multiple pictures from your phone and convert them into a single pdf to upload.
	Wabbitemu (Android only)	Graphing calculator app if you don't have access to a physical calculator.
	QR Code Reader	Your class textbook has QR codes that you can scan that will send you to a website where they provide assistance in solving the problem, including a video!

As the school year goes on, you may be asked to download additional apps as we become aware of new technology resources to help with this unique school year.

### Class Expectations

- Attendance - It is strongly encouraged that students attend the live class sessions that they are assigned to. If issues arise, such as technology glitches or appointments, you are welcome to attend the other session. Being "present" will be identified by interacting with your teacher through the live class session, submitting assignments, participating in discussions, or emailing your teacher.
- Notes - An organized notebook is encouraged for class time. Each lesson will consist of brief discussions about definitions and theorems, and will primarily consist of examples. Any examples that are not covered during class time will be provided on the PDF versions of the notes provided.
- Homework will be assigned daily and will be graded based upon effort. The purpose of homework is to help you practice the new material learned. If you don't practice, you can't identify where you make mistakes and learn from them. The answers to odd questions are in the back of your textbook. Answers to even questions will be provided in Canvas.
- Test Review - A review packet will be provided at the end of each unit to help you prepare for the unit test. If you do not have a printer at home, you can complete the review problems on your own paper.
- Tests & Quizzes - Please complete your tests and quizzes in a timely manner. If you do not have a printer at home, you can complete the test or quiz on your own paper.
- Uploads - Homework assignments, review packets, tests and quizzes will be submitted online with a Canvas upload. Office Lens is recommended to combine multiple pictures into a single PDF to upload.

### Quarterly Expectations:

- Keep your homework - Don't throw out your homework after you scan it. Upload errors do occur. Keep your physical homework in case there are any errors and you need to resubmit.
- 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).

## Course Collaboration Guidelines on Assignments in PreCalculus

*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.*

<b>Type of Assignment</b>	<b>Is Collaboration Permitted?</b>	<b>What Type of Collaboration is Permitted?</b>
<b>Labs/Project</b>	<b>Varies</b>	Please see project descriptions about collaboration. Individual project should be worked on independently, but collaboration is allowed on group projects.
<b>Homework</b>	<b>Yes</b>	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.
<b>Quiz or Test</b>	<b>No</b>	
<b>Test Corrections</b>	<b>No</b>	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, 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 there will be live class sessions for me to attend virtually. The AM (P2) Applied Calculus class will be live 8:00am – 8:48am, and the PM (P8) Applied Calculus class will be live 1:47pm – 2:35pm.
- I acknowledge that I will have homework after each class in the form of assigned textbook problems, worksheet or review packet. \_\_\_\_\_
- I will not throw out my homework assignments in case there are any errors uploading my assignments into Canvas. \_\_\_\_\_
- Upon receiving a graded test, I will retry the problems that were marked incorrect. \_\_\_\_\_
- I will communicate with my teacher if I experience any technological issues or struggling in the class. \_\_\_\_\_
- 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 acknowledge that there will be live class sessions for me to attend virtually. The AM (P2) Applied Calculus class will be live 8:00am – 8:48am, and the PM (P8) Applied Calculus class will be live 1:47pm – 2:35pm.
- I am aware that I can keep track of my student's grades in Canvas or PowerSchool using 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