Course Name	CALCULUS	**Course Code**	270780000
School Name	Richmond Hill High School	**Teacher Name**	Rebecca Doty
School Phone Number	912-459-5151	**Teacher Email** rdoty@bryan.k12.ga.us	
School Website	https://rhhs.bryancountyschools.org/o/rhhs		

Course Description
Calculus is a fourth-year mathematics course option for students who have completed Precalculus or the Enhanced Advanced Algebra Concepts and Connections and Precalculus course. The course provides students with the opportunity to develop an understanding of the derivative and its applications as well as the integral and its applications. Throughout the course there should be a focus on notational fluency and the use of multiple representations. The Calculus course includes the study and analysis of limits and continuity as applied to a variety of functions; the derivative as related to limits and continuity; various derivative rules such as product, quotient, and chain; applications of the derivative including curve analysis, applied max/min situations, related rate problems, and use of Mean Value Theorem; the definite integral as a limit of Riemann sums; properties of definite integrals; the Fundamental Theorem of Calculus as it relates derivatives and integrals; techniques of integration including u-substitution; and applications of the integral including solving separable differential equations, finding a particular solution curve given an initial condition, area between curves on a coordinate plane, and average value situations. Topics should be analyzed in multiple ways, including verbal and written, numerical, algebraic, and graphical presentations. Instruction and assessment should include the appropriate use of technology. Concepts should be introduced and investigated, where appropriate, in the context of realistic phenomena.

Curriculum Overview
The following academic concepts will be covered. **THIS IS ONLY A GUIDE AND IS SUBJECT TO CHANGE.**

CURRICULUM OVERVIEW – Units of Study	
Unit 0: Before Calculus	Unit 1: Exploring Limits and Continuity
Unit 2: Establishing and Using the Derivative	Unit 3: Applications of Derivatives
Unit 4: Fundamental Theorem of Calculus in Action	Unit 5: Applications of Integrals

GRADING SYSTEM:

GRADING CATEGORIES	**GRADE PROTOCOL**
Formative Assessments (homework, classwork, quizzes) –27 % **Summative Assessments (tests) – 63%** **Final Exam (cumulative test of all material covered in class) – 10%**	**A** 90 – 100 **B** 80 – 89 **C** 70 – 79 **F** 40 – 69

DISTRICT EXPECTATIONS FOR SUCCESS	
ACADEMIC INTEGRITY	Students will not engage in an act of academic dishonesty including, but not limited to, cheating, providing false information, falsifying school records, forging signatures, or using an unauthorized computer user ID or password. **See the Code of Student Conduct**
MAKE-UP WORK DUE TO ABSENCES	When a student is absent because of a legal reason as defined by Georgia law or when the absence is apparently beyond the control of the student, the student shall be given an opportunity to earn grade(s) for those days absent. Make-up work must be completed within the designated time allotted.
SCHOOL EXPECTATIONS FOR SUCCESS	
CLASSROOM EXPECTATIONS	● Follow all school and district rules ● Keep your personal electronic devices turned off and put away in your bookbag or purse. ● No talking while the teacher is talking ● Treat others with respect ● Actively participate in class activities and discussions.

LATE WORK	● No late credit will be given for Delta Math ● Any missing quizzes or tests need to be made up as soon as possible, preferably after school on Monday or Thursday so that the student doesn't miss instruction time. ● Per the Bryan County Grading Policy, students who are absent 3 days or less shall be given at least 3 school days from their last absence to complete all assignments
RETESTS	Students will be given an opportunity to demonstrate mastery and earn full credit on a similar summative assessment. In order to retest, the student must: ● Remediate - this includes test correction on the summative and asking for help if needed to understand what went wrong ● Complete the Delta Math assignment for that unit. ● Provide the completed study guide for that unit. ● Take retest within 10 school days of the summative assessment.
EXAM EXEMPTIONS	A student may exempt exams if he/she meets ALL the following criteria ● No ISS/OSS ● No Obligations List ● No more than 5 unexcused absences in the class ● No more than 5 tardies combined in all classes per semester ● An average of 80 or above in the class - grade taken first week in December/May
MATERIALS AND SUPPLIES	● TI-84 Plus Calculator ● Pencils (Mechanical Preferred) ● Wired Headphones ● Colored Pencils ● Scissors ● Highlighter ● Dry Erase Marker ● Ruler ● 3-Ring Binder (at least 1") ● Notebook Paper ● Tissue (optional)
TUTORING	● Walk in tutorial is available on Mondays 2:25 - 3:25 pm ● Contact Mrs. Doty if another day or time is needed
PARENTS AS PARTNERS	● Reach out to teacher via email or phone with any questions or concerns or to set up a conference ● Check PowerSchool on a regular basis. If you need assistance signing up or logging in, please call the school and ask for help. ● Ensure students complete homework on time. Homework is posted in Delta Math for each entire unit and is due the day before the unit test.