

# GSE Pre-Calculus COURSE SYLLABUS

Coach Alan Adair  
Chapel Hill High Mathematics Department  
[alan.adair@douglas.k12.ga.us](mailto:alan.adair@douglas.k12.ga.us)  
770 – 651 – 6282

## Course Descriptions: GSE Pre-Calculus

**GSE Pre-Calculus** is a fourth mathematics course designed to prepare students for calculus and other college level mathematics courses.

High school course content standards are listed by conceptual categories including Number and Quantity, Algebra, Functions, Geometry, and Statistics and Probability. Conceptual categories portray a coherent view of high school mathematics content; a student's work with functions, for example, crosses a number of traditional course boundaries, potentially up through and including calculus. Standards for Mathematical Practice provide the foundation for instruction and assessment.

## Performance Standards:

- **GSE** (Georgia Standards of Excellence) – <http://www.georgiastandards.org/math.aspx>
- Douglas County School System website – <http://www.douglas.k12.ga.us>

## Anticipated Classroom Format:

Directive and discovery based presentation of units incorporating individual and cooperative methods and tasks. Additional assistance and assignments will be provided to enhance the student's comprehension of mathematical concepts and mastery of standards.

## Teacher Policies and Behavior Expectations:

### Policies:

- Each class will begin with a warm up. The student will be responsible for completing these, as warm ups are given to prepare for the Unit/Concept Tests, ACT/SAT Exams and eventually the DCSS SLO (Student Learning Objective – Final Exam/Assessment).
- In order to prepare you for quizzes and tests, homework will be given on a **nightly basis**.
- In the event of an absence, **you** are responsible for bringing an excuse and getting / completing all of your makeup assignments.

### Expectations:

- Be in attendance to class every day; with minimal absences, tardies, or early departures; which interrupt classroom learning.
- Bring a pencil, paper, notebook, and textbook (if applicable) to class and have your homework out at the beginning of class.
- **Be respectful** and cooperative to your teacher and classmates.
- Follow House Rules (posted in classroom).

## Assessment/Evaluations/Required Student Products:

Student learning/performance will be evaluated using a variety of Formative and Summative Assessment Tools including the following: Homework and Classwork activities, quizzes, tasks/projects, and tests.

### Grading Plans: CCGPS Advanced Algebra

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| • <b>Summative Assessments/Tests</b>                     | 50% |
| • <b>Major Formative Assessments (Quiz/Graded Tasks)</b> | 15% |
| • <b>Minor Formative Assessments (HW/CW)</b>             | 25% |
| • <b>DCSS SLO - Final Exam (Comprehensive)</b>           | 10% |

### Strategies for Student Learning:

The best way to be successful is to be **present each day** and to always **give your best effort**. You should let your teacher know immediately if you are giving your best effort and are still struggling in this course. We will work together to find strategies that will help you be more successful.

*The single most important way to study for tests is to master the homework each day!!!*

Learning Focused Strategies are research proven strategies that have a strong effect on student achievement. Therefore, in each class, students will:

- Preview new class topics to accelerate learning
- Learn through use of Collaborative Pairs, Guided Practice, and Graphic Organizers
- Learn through thinking skills activities such as compare/contrast, classifying, induction, deduction, and error analysis
- Take notes and summarize new information
- Be able to answer Essential Question(s) at the end of each lesson
- Complete homework/practice
- Represent ideas in nonlinguistic manners
- Learn cooperatively

**Extra Help:** Extra help is available to those students who have already done everything they can to understand a problem or concept and just need a little further explanation. If you have all the class notes for the concept you are having difficulty with, and your recent homework record is good, you are encouraged to come see me. A schedule will be given at a later date.

### Academic Honesty:

It is permissible to discuss problems with other students, relatives, tutors, etc. It is not permissible to copy another student's work or try to take credit for someone else's effort. With that in mind, cheating is defined to be the willful or deliberate unauthorized use of the work of another person for academic purposes, or inappropriate use of notes or other material in the completion of an academic assignment or test. In addition to disciplinary responses, the granting of credit for this assignment **will be** null and void for all parties knowingly involved.

NOTE: For any students discovered to be cheating on tests, an opportunity will be given to take the test again for half-credit. No other credit will be given on cheating circumstances.

### Calculator Policy:

It is **recommended** (not required) that students obtain a graphing calculator (TI-84 plus).