**School Year 2022 - 2023**

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| **Course Name** | **GSE Algebra I** | **Course Code** | **27.0990012** |
| **School Name** | **Richmond County Technical Career Magnet School (RCTCM)** | **Teacher Name** | **Mrs. B. Sanders** |
| **School Phone Number** | **(706) 823-5584** | **Teacher Email/** | **Sandebo@boe.richmond.k12.ga.us** |
| **School Website** | **http://rctcm.rcboe.org/** | **Teacher Website** | **https://www.rcboe.org/Page/3192** |

**Course Description**

GSE Algebra is the first in a sequence of mathematic courses designed to prepare students to take Advanced Placement Calculus or Advanced Placement Statistics in high school. Algebra I represents a discrete study of algebra with correlated statistics application. The mathematic sequence is as follows: 9th- Algebra I, 10th- Geometry, 11th Algebra II, 12th – Pre-Calculus. A Carnegie Unit towards high school graduation can be received upon successful completion of this course.

In the spring students take a culminating state exam, the Georgia Milestones End-of-Course test for Algebra I.

**Major Course Goals**:

The major course goal is for students to learn essential knowledge and skills about Functions, Algebra, Algebra in Context, and Statistics. Once mastered, these goals will give a student the ability to use reasoning and thinking skills to learn and understand other curriculum objectives. It is the goal of the Mathematics department to have students learn to use manipulatives and technology appropriately such as the graphing calculator and algebra tiles as a mathematical tool. Graphing calculators are powerful mathematical tools.  Through their use students can visualize problems more quickly, discover mathematical properties, and validate their work done with pencil and paper.  They must be used appropriately.  Graphing calculators are not substitutes for students learning mathematical concepts and processes.  They are to be used to enhance student learning. Students are encouraged to bring a graphing calculators, RCTCM currently does not have such technology available. They will sign it out and back end at the beginning and end of class. They are responsible for any damage during their check-out period.

Bring Your Own Technology (BYOT) will be utilized during this course. Students are encouraged to bring laptops; they will be utilized this school year.

**Curriculum Overview**

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

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| **CURRICULUM OVERVIEW – UNITS OF STUDY** | |
| **FALL Semester** | **SPRING Semester** |
| **Reasoning with Linear Equations and Inequalities** | **Modeling and Analyzing Exponential Functions:** |
| **Modeling and Analyzing Quadratic Functions** | **Comparing and Contrasting Functions:** |
| **Relationships between Quantities and Expressions** | **Describing Data** |
|  | Georgia Milestone EOC preparation |

**BOARD-APPROVED INSTRUCTIONAL MATERIALS**

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| Title | Houghton, Mifflin, Harcourt – Georgia Algebra |
| Online book and/or resources | https://www.hmhco.com/ |

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| **EXPECTATIONS FOR SUCCESS** | |
| **STUDENT PROGRESS** | The progress of students shall be evaluated frequently and plans shall be generated to remediate deficiencies as they are discovered. Plans shall include appropriate interventions designed to meet the needs of the students. |
| **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. |
| **HOMEWORK** | Practice assignments should be meaningful and should be an application or adaptation of a classroom experience.  Practice is at all times an extension of the teaching/learning experience.  It should be considered the possession of the student and should be collected, evaluated and returned to the students. |
| **SCHOOL EXPECTATIONS FOR SUCCESS** | |
| **CLASSROOM**  **EXPECTATIONS** | * Be on time. * **NO CELL PHONE USE!** * **Technology should be charged** * Be prepared with all the supplies and designated work. * Follow all school and district rules. * Be seated before the tardy bell with all required materials. Begin bell ringer without prompting from teacher. * Treat others with respect. * Actively participate in class activities and discussions. * Please take all your books or other materials with you when you leave the class. Anything found will be turned into the lost and found. * No eating ordrinking of anything other than water. * There will be **NO** sleeping or laying down of head in class. * There will ***NOT*** be any **OBSCENE** language used in this class. * Get water, use the restroom, and sharpen pencils before class. |
| **MATERIALS AND**  **SUPPLIES** | * Notebook paper (loose-leaf paper) * #2 pencils and erasers, pencil sharpener (personal size) (for individual notes) * Graphing calculator –Recommended- TI 83 or TI 84 * Dry erase markers * Technology (computer or tablet) |
| **EXTRA HELP** | * Tutor: TBA. FEV tutoring is still available and encouraged. * Remind: @9hacf89 * Online Resources   + Khan Academy – www.khanacademy.org   + DESMOS: <https://www.desmos.com>   + https://www.hmhco.com/   + See Gizmos – [www.explorelearning.com](http://www.explorelearning.com) * View teacher website for additional resources and instructions |
| **PARENTS AS PARTNERS** | * Reach out to teacher via email or remind with any questions or concerns * Reach out to guidance to set up conference * Check Parent Portal and canvas on a regular basis * Ensure students complete practice daily. * Leverage the online resources noted above * Review progress reports with student |

**\*\*IMPORTANT - Parent Contact Information and assignment** - Your child's **first assignment is to have his/her parents compete and email back the attached parent information sheet.**  If you do not have an email address, please indicate that on the information sheet.  ***EMAIL: sandebo@boe.richmond.k12.ga.us***

# PLEASE SIGN BELOW AND EMAIL BACK

Student Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

I have read the syllabus. (TYPE RESPONSE ON LINE)

Student \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent/Guardian \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Additional information to support continued contact:

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| **Information** | **Parent/Guardian** |
| **Home Phone Number** |  |
| **Cellular Phone Number** |  |
| **Work Phone Number** |  |
| **Email Address** |  |