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| Foundations/Algebra I Syllabus 2018-2019 Instructors: Coach Howard jhoward@paulding.k12.ga.us |

**Course Description:**

This course is a two semester course which will be divided into two sections. The first semester students will complete the Foundations of Algebra course and the second semester students will complete the Algebra I course. Foundations of Algebra is a first year high school mathematics course option for students who have completed mathematics in grades 6 – 8 yet will need substantial support to bolster success in high school mathematics. The course is aimed at students who have reported low standardized test performance in prior grades and/or have demonstrated significant difficulties in previous mathematics classes. The Foundations of Algebra course contains five modules which are designed to build the necessary mathematical skills to complete Algebra I. These modules will be embedded into the first semester of GSE Algebra I to comprise the course for the first semester.

Foundations of Algebra will provide many opportunities to revisit and expand the understanding of foundational algebra concepts, will employ diagnostic means to offer focused interventions, and will incorporate varied instructional strategies to prepare students for required high school mathematics courses. The course will emphasize both algebra and numeracy in a variety of contexts including number sense, proportional reasoning, quantitative reasoning with functions, and solving equations and inequalities.

Students will complete the remaining units of GSE Algebra I during the Algebra I course in the second semester. Algebra I is the first course in a sequence of three required high school courses designed to ensure career and college readiness. The course represents a discrete study of algebra with correlated statistics applications. The standards in the three-course high school sequence specify the mathematics that all students should study in order to be college and career ready.

Students will take the GSE Algebra I Milestones Exam in the spring of 2019. Standards for Mathematical Practice provide the foundation for instruction and assessment. GSE Algebra I Standards can be found online at:

[Algebra I standards](http://www.georgiastandards.org/Georgia-Standards/Pages/Math-9-12)

**Topics**

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| * Relationships Between Quantities and Expressions
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| * Reasoning with Linear Equations and Inequalities
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| * Modeling and Analyzing Quadratic Functions
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| * Modeling and Analyzing Exponential Functions
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| * Comparing and Contrasting Functions
* Describing Data
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**Notebook and supplies**

* 2 college rule spiral notebooks
* 3 Ring Binder
* 1-2 glue sticks
* Pencils and erasers
* Colored pencils are encouraged
* **Calculator:** Students are encouraged to buy the TI-36X Pro to be successful in this course.

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| **Grading Policy:** Grades will be based on the following:                Grade scale:          Summative ………………...............71%               A = 90 – 100% Formative...................................29%              B = 80 – 89% Informal…………….......................0%               C = 70 – 79% Georgia Milestone..……..............20%              F =   0 – 69%  |  |
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| **Georgia Milestone** is a state cumulative exam given at the end of the course. This test is worth 20% of your overall grade.  |  |
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**Tutoring Schedule:**

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| --- | --- | --- | --- | --- | --- |
|  | **Monday** | **Tuesday** | **Wednesday** | **Thursday** | **Friday** |
| **Morning 8-8:25** | Howard—401 | Howard—401 | Howard—401 | Ford—1206 |  |
| **Afternoon 3:30-4** |  |  |  |  |  |

\*\*\*These sessions are offered for students who participate in class, attempt all homework assignments, and/or have excused absences.

**Mastery Plan**

Academic success and proficiency of standards are goals set forth for all students. Given that individuals learn in different ways and at different rates, our GSE Math Mastery Plan will provide the necessary support to achieve such goals.  The Mastery Plan is outlined below:

* All students are allowed to bring up their summative grade if:
	+ All classwork and homework is complete
	+ Completed review is turned in the day of the test
	+ All notes are written in his/her notebook
* The student **must** satisfactorily complete all remedial work and is strongly urged to attend tutoring (at least one session lasting at least one hour, but more if necessary) if the test is passed and mandatory if not.
* All remedial work and the re-test are to be completed before the next test.

**Attendance and makeup work**

Attendance is an extremely important part of this class. Your success depends on your being in class every day. If you are absent it is your responsibility to get the notes and assignments that are missed. If you are absent, you will follow the Paulding County School District policy regarding makeup assignments. Missed tests can be made up before or after school during tutoring.

***Reminder***: If you are absent on a test day, you will make-up the test the day you return during class.

**Class Expectations**

* **Be prepared.** You will bring your materials to class everyday (paper, pencil, notebook, textbook, calculator, etc.) and that you will do your homework and study for quizzes and tests.
* **Be involved.** You will participate in class, attempt to do the class work, ask questions when confused, and try to help your classmates understand the material when appropriate.
* **Be courteous.** You will treat your instructors and classmates like you want them to treat you. Don’t talk when it is not appropriate. Don’t sleep. Don’t get out of your desk when it is not appropriate. Don’t work on other class work. Don’t access your cell phone. Don’t play games on your calculator. Don’t use power outlets.
* **Consequences** for failing to follow class rules will result in a phone call to your parents, possible detention, and/or a referral to the appropriate grade level administrator.

**Academic Honesty**

Cheating will NOT be tolerated. Cheating includes but is not limited to: copying or sharing homework, talking during a test or quiz – for any reason, looking on someone else’s paper or allowing them to look on yours, taking out a cellphone during a test or quiz – for any reason, and sharing a calculator during a test or quiz. You will receive a zero on the assignment, parent phone call, and discipline board. You cannot take mastery on these assignments.

**Parent Responsibilities**

Grades will be updated weekly on infinite campus so you can track your student’s progress. Progress reports will be sent home with students on these dates: 8/31/18, 10/19/18, 11/9/18, 2/5/19, 3/29/19, and 4/19/19. Report Cards will be sent or mailed home on: 1/8/19 and 5/31/19

**Acknowledgement of receipt:**

By signing below, you acknowledge that you are familiar and understand the policies and expectations of this class.

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Print Name Student Signature Date