Honors Algebra: Concepts & Connections | Ms. Jamie Pettis

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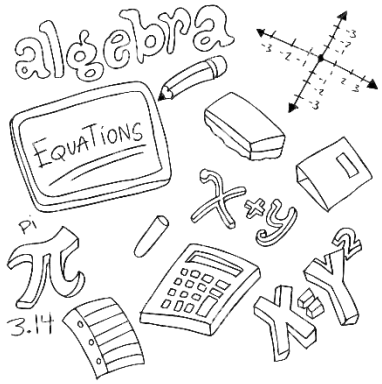
Course Description:



Algebra: Concepts & Connections is the first course in a three-course series where students will apply their algebraic and geometric reasoning skills to make sense of problems involving algebra, geometry, bivariate data, and statistics. This course focuses on algebraic, quantitative, geometric, graphical, and statistical reasoning. Students will continue to enhance their algebraic reasoning skills when analyzing and applying a deep understanding of linear functions, sums and products of rational and irrational numbers, systems of linear inequalities, distance, midpoint, slope, area, perimeter, nonlinear equations and functions, quadratic expressions, equations and functions, exponential expressions, equations, and functions, and statistical reasoning. *The identified prerequisite for this course is Grade 8 Mathematics* ***and*** *teacher recommendation. Please note, this is a* ***fast-paced*** *and* ***rigorous*** *course where we will study concepts and applications in depth.*

Units to be covered:

Unit 1: Modeling Linear Functions
Unit 2: Analyzing Linear Inequalities
Unit 3: Investigating Rational and Irrational Numbers
Unit 4: Modeling and Analyzing Quadratic Functions
Unit 5: Modeling and Analyzing Exponential Expressions and Equations
Unit 6: Analyzing Exponential Functions
Unit 7: Investigating Data
Unit 8: Algebraic Connections to Geometric Concepts

A full list of the standards can be found at www.georgiastandards.org

Method of Evaluation:

The Semester Grades are made up of a combination of Formative (40%) and Summative (60%) assessments. At the end of a semester course, the Final Course Average is calculated as Semester Grade (80%) and the End of Course Exam (20%).

Parents are encouraged to view their students grades on Infinite Campus and check email notifications for periodic grade updates.

Math Tutorials:

HELP

FREE tutoring is available. More information coming soon!
When applicable, FAB Wednesdays (1st and 2nd Sessions) are also a great opportunity to receive extra help. FAB tutoring is mandatory for failing students. For additional tutoring times, please coordinate with the instructor. *Please note this is a rigorous, fast-paced course. Please expect to put in more time/effort than in previous math courses by attending tutoring and/or communicating questions with the instructor.*

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Supplies Needed:

·3-Ring Binder ·Pencils ·Composition Notebook ·Loose-leaf Notebook Paper
·Glue Sticks ·Scissors ·Pencil Pouch ·Loose-leaf Graph paper
·TI-36X Pro Calculator (required) ·TI-84 Plus C Calculator (optional)

Calculators will be used throughout students' high school and college careers and are used to help students be successful in math courses and EOC.

Textbook: Larson Algebra I; $89.83 replacement cost

Schoology: Parents and students can access Schoology through the CHS homepage (or Schoology app) and login with their lunch number and birthdate. Posted on this site are lessons, assignments, and resources. Students are expected to check Schoology daily, especially when absent or during digital learning days.

Classroom Policies:

-Students will bring their binder, composition notebook, pencil, and calculator to class every day.

-The student will have completed ALL assignments and be prepared to ask questions about parts of the assignments that were unclear at the beginning of class. Late work is NOT accepted as it is given ahead of time at the beginning of each unit. If you get behind, you are expected to complete all work by the end of the unit (test day).

-All work must be shown for all assignments (even digital). No work = No credit.

-If a student is absent, it is the student's responsibility to make up work within 5 school days. To make up a summative assignment (i.e. test), students need to arrange a make up time with the teacher within 5 school days.

-There are no extra credit assignments for this course. There are no quiz/test retakes for this course.

-Students will follow the classroom procedures and expectations posted in the classroom.

-All members of the class will treat each other in a mannerly and respectful fashion and follow all classroom rules. Students will also adhere to the Social Contract that will be posted in the classroom after the class has created and signed it.

-The use of cell phones and other electronic devices (such as smart watches/tablets) are not allowed during the school day. Choosing to use electronic devices will result in an office referral.

-All students will follow the Mathematics Honor Code (attached).

-The CHS Code of Conduct, Canes Code, and the CHS attendance policy will be followed.

Please note: Violating dress code, use of cell phones/electronic devices, fighting, insubordination, and extreme disrespect will be an automatic office referral.

Please do not hesitate to contact me with any questions. Also note, this course syllabus is subject to change if the teacher, math department, and/or Cartersville High School deems it necessary.

Please promptly complete and return this page of the syllabus and keep the first page for your records (This document will also be uploaded to Schoology). By signing, you acknowledge that you have read and understand the syllabus for this class. *Please print clearly*.

Student Name (Printed): _____ Block: _____

Student Signature: _____

Parent Name (Printed): _____

Parent Signature: _____

Parent E-mail Address: _____

Parents' Best Contact Number(s): _____

Please make sure your contact information is correct in Infinite Campus in order to receive informational messages from CHS staff. Contact your student's counselor for corrections.

Mathematics Honor Code:

I will value learning for its own sake and exercise academic integrity in all aspects of my work by completing work on my own both in class and outside class.

I pledge to neither give nor receive assistance in any form from anyone unless specifically sanctioned by my teacher.

I will prepare sufficiently for assessments and will not discuss the contents or any specific problems from the assessment until my teacher reviews the assessment in class.

Student: Please copy all of the Mathematics Honor Code (above) in your best handwriting, print and sign your name and date. By doing so, you are affirming the statement above. Failure to adhere to the Mathematics Honor Code will result in disciplinary action that may be permanently visible on your student record.

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Student's Printed Name _____ Date _____

Student's Signature _____