



# Enhanced Algebra Concepts & Connections

Course Syllabus & Policy Sheet

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**Course Descriptions:** In Enhanced Algebra: Concepts & Connections, instructional time should regularly incorporate the 8 Mathematical Practices, the Framework for Statistical Reasoning, and the Mathematical Modeling Framework through six big ideas of content: (1) mathematical modeling, (2) numerical reasoning, (3) functional & graphical reasoning, (4) patterning and algebraic reasoning, (5) data and statistical reasoning and (6) geometric and spatial reasoning. In this course, students will create, interpret, solve, and graph linear equations and inequalities in one variable and nonlinear (quadratic and exponential) equations and functions. Students will interpret quadratic and exponential expressions. Students will continue to enhance their algebraic reasoning skills when analyzing and applying a deep understanding of systems of linear inequalities and sums and products of rational and irrational numbers. Students will apply their algebraic and geometric reasoning skills to make sense of problems involving distance, midpoint, slope, area, perimeter, and statistical reasoning.

## Curriculum Map 2023-2024

Semester 1				Semester 2			
Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Unit 8
Modeling Linear Relationships & Functions	Analyzing Systems of Linear Equations and Inequalities	Investigating Rational and Irrational Numbers	Modeling and Analyzing Quadratic Functions	Modeling and Analyzing Exponential Expressions, Equations, and Functions	Investigating Data and Statistical Reasoning	Algebraic Connections to Geometric Concepts	Culminating Capstone Unit

## Grading Policy

### Grade Calculation

Homework	Minor Assignments	60%	Q1 & Q2
Classwork			
Quiz			
Test	Major Assignments	40%	
Project			
EOC (20%) + $\frac{(Q1+Q2)}{2}(80\%) = \text{Final Grade}$			

## WHEN WILL I HAVE HOMEWORK?

Your homework will be to complete any class assignments that you did not finish in class.

**WHAT IF I DON'T UNDERSTAND MY HOMEWORK AND MY PARENTS HAVE FORGOTTEN HOW TO DO WHAT WE ARE WORKING ON?**



All parents with internet access are encouraged to become registered users of Infinite Campus Parent Portal so that you may keep up with your child's progress in all classes. Parents can register for parent portal at the following website.

<https://campus.rcssk12.org/campus/portal/parents/richmond.jsp>

## Absolutely NO CELL PHONE USE in my classroom!!!

Students utilize math apps on the phone to complete assignments which does not help the students master the standards or learn the needed math skills to be successful in this course. Your phone should not be visible during class. I will adhere to the Richmond County Cell Phone Policy please refer to the student handbook.

## MS. Utley Contact Information

You may call or text me any time before 7pm at 762.218.2686  
or  
Email me at [utlevsh@richmond.k12.ga.us](mailto:utlevsh@richmond.k12.ga.us)

## Class Expectations

2. Come to class prepared.
3. Complete assignments daily.
4. Keep an organized interactive notebook.
5. Actively participate in class.

## Class Rules

1. Respect yourself and others. Absolutely NO PROFANITY.
2. Follow directions.
3. Raise your hand and wait to be called on to ask a question.
1. Absolutely NO bullying or teasing!!!

## Class Materials

1. Two- One- subject notebooks.
2. Complete assignments daily.
3. Keep an organized interactive notebook.
4. Actively participate in class.