Enhanced Algebra Concepts & Connections Course Syllabus & Policy Sheet

Mrs. Ava Williams

Room 230

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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.

2023-2024 Curriculum Map

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

Supplies and Materials Needed

- **Highlighters**
- **Color pencils**
- **Markers**
- **Pencils**
- **Spiral Notebook**
- **Notebook Paper**

Grading Scale/Grade Calculation

Grading Scale	
90 - 100	**A**
80 - 89	B
75 - 79	C
70 - 74	D
Below 70	F

Content Weights		Q1 & Q2
Minor 60 %	**Major 40%**	
Classwork	Projects	
Homework	Test/Assessment	
Homework		

$$EOC\,(20\%) + \left(\frac{Q1+Q2}{2}\right)(80\%) = \text{Final Grade}$$

HOMEWORK
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? Refer to the tutorial videos in the class Canvas course. Use your interactive notebook, and class assignments as a guide.
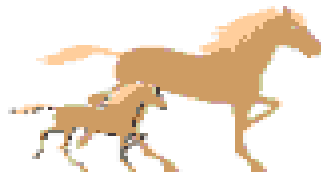
My Expectations for all students

- *Come to class prepared daily with your supplies.*
- **Dream Big!**
- **Follow Directions**
- **Respect yourself and others**
- *Keep all cellular devices put away.(REFER TO POLICY)*
- **Keep *your* area clean.**
- ***No* eating or drinking during instruction.**

Procedures for Correcting Inappropriate Behavior

1. **Student will get a warning from teacher.**
2. **Teacher will call parent.**
3. **Teacher will refer student to counselor.**
4. **Teacher will have conference with parent.**
5. **Student will be referred to our administrative team.**

PLEASE NOTE:

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.**

Murphey Middle School
Mrs. A. Williams
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2023 – 2024

PARENTAL AGREEMENT:

I _____have read the contents of this

                                              (Parent/Guardian Name)

course syllabus for Enhanced Algebra Concepts & Connections Course Syllabus &

 Policy Sheet. I understand that my child is responsible for meeting a level of proficiency on the Georgia

Standards of Excellence. As a result, I will assist my child

with meeting the criteria by insuring that _____

                                              (Student's Name)

completes all assigned tasks.

Parent Signature: _____ Date: _____

Student Signature: _____ Date: _____