

8th Grade Mathematics Syllabus

Mrs. Ava Williams

Room 230

williav@boe.richmond.k12.ga.us

762-233-2295

In Grade 8, instructional time should regularly incorporate the 8 Mathematical Practices, the Framework for Statistical Reasoning, and the Mathematical Modeling Framework through four big ideas of content: (1) numerical reasoning, (2) functional & graphical reasoning, (3) patterning and algebraic reasoning, and (4) geometric and spatial reasoning. Much of the Grade 8 mathematics curriculum focuses on functions and linear relationships as building blocks to algebra and geometry. In this course, students will create, interpret, solve, and graph linear equations and inequalities in one variable, analyze the connections between proportional and non-proportional lines and equations, extend their knowledge of numerical reasoning and real numbers to include irrational numbers, develop an understanding of the properties of exponents, perform operations with numbers expressed in scientific notation, apply their geometric and spatial reasoning to interpret and solve problems involving the Pythagorean Theorem.

2023-2024 Curriculum Map

Semester 1			Semester 2			
Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7
Investigating Linear Expressions, Equations, and Inequalities in One Variable	Modeling Linear Relationships & Functions	Investigating Data & Statistical Reasoning	Real-Life Phenomena Explored Through Systems of Linear Equations	Exploring Irrational Numbers, Integer Exponents, and Scientific Notation	Exploring Geometric Relationships	Culminating Capstone Unit

Supplies and Materials Needed

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

Grading Scale/Grade Calculation

Grading Scale		Content Weights		Q1 & Q2
90 - 100	A	Minor 60 %	Major 40%	
80 - 89	B	Classwork	Projects	
75 - 79	C	Homework	Test/Assessment	
70 - 74	D	Homework		
Below 70	F			
		$\text{Exam (20\%)} + \left(\frac{Q1+Q2}{2}\right)(80\%) = \text{Final Grade}$		

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

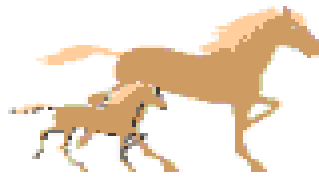
- ▶ Come to class prepared daily with your supplies.
- ▶ Dream Big!
- ▶ Follow Directions
- ▶ Respect yourself and others
- ▶ Keep all cellular devices put away.(REFER TO POLICY)
- ▶ Keep your area clean.
- ▶ No eating or drinking during instruction.

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

8th Grade Mathematics

2023 – 2024

PARENTAL AGREEMENT:

I _____ have read the contents of this

(Parent/Guardian Name)

course syllabus for 8th Grade Mathematics. 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: _____