



8th Grade Math and Science Course Syllabus

Mrs. Kenisha Jones

Team 8A

RM 422

Course Description

These courses continue a rigorous program of study in Middle School Mathematics and Physical Science. Students will explore numerical representations, geometric properties, symbolic algebra, linear equations, functions, statistical data, and foundational concepts in Physical Science, including Matter, Energy, Waves, Forces, and Electricity.

Course Objectives

1. Mathematics:

- Understand and apply operations with integers and exponents.
- Analyze and interpret linear functions through equations, tables, and graphs.
- Solve linear equations and systems of equations.
- Apply geometric properties to plane figures, including congruence and similarity.
- Utilize set theory and counting techniques to solve problems.

2. Science:

- Explain the structure and properties of matter.
 - Explore the relationship between energy and matter.
 - Understand the principles of waves and their applications.
 - Analyze forces and motion in real-world contexts.
 - Investigate electricity and magnetism and their effects on matter.
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Required Materials

- 2 (1-inch) or 1 (3-inch) Three-ring binder with pockets
 - Pencils
 - Glue sticks
 - Calculator
 - Package of dividers (5 total)
 - Highlighters
 - Scissors
 - Headphones or earbuds (wired)
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Academic Grading Scale & Policy

- Minor Assignments: 60% (Classwork/Exit Tickets/Bell Ringers/Homework, etc)
- Major Assignments: 40% (Tests/Quizzes/Projects, etc.)
- A (90-100) B (80-89) C (75-79) D (70-74) F (below 70)

Class Policies and Expectations

1. Respect yourself, others, school property, and the teacher, including substitutes.
 2. Do not interfere with other students' right to learn.
 3. Come prepared with all materials, including an open mind and a positive attitude.
 4. Class begins at the bell. Be seated in assigned seats. Late arrivals must have an official pass.
 5. Follow all safety rules in the classroom and laboratory (no eating or drinking).
 6. No Cell phones per RCSS policy.
 7. Stay on task and remain in your seat.
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Course Units/Concepts

Science Units:

1. Energy & Matter
2. Structure and Properties of Matter
3. Understanding Waves
4. Motion & Forces
5. Electricity & Magnetism

Math Units:

1. Exponents and Equations
 2. Geometric Applications of Exponents
 3. Functions and Linear Functions
 4. Solving Systems of Equations
 5. Linear Models and Tables
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Textbooks

- **Math:** HMH



Science: Inspire



Academic Dishonesty

Adhere to Rule 1(A)(t): No cheating, altering records, plagiarizing, or unauthorized assistance. Violations will lead to disciplinary action as defined in the Student Code of Conduct

Homework

- Assigned regularly to practice/reinforce skills. Graded for completion, not accuracy.

Late Work/Make-Up Work Policy


- Assignments submitted after the deadline are considered late unless due to absence.
- Late assignments may be graded to reflect mastery of standards (with a penalty).
- Students must inquire about missed assignments upon returning to class.
- Make-up work should generally be completed and submitted within 2 days.
- No quizzes or tests on the first day back if announced during absence.

Relearn & Reassess (R&R) Procedures

- Students scoring below 70 on a major assessment must complete a relearning plan unless exempted with prior approval.
- Upon satisfactory completion, students are allowed at least one reassessment opportunity.
- Teachers have discretion to determine if R&R opportunities will be given for any minor assessment.

Contact Information

 Joneske1@richmond.k12.ga.us

 (706) 592-3730



Class Dojo-

Jones Homeroom: <https://tinyurl.com/4P2H2MAS>

Williams Homeroom: <https://tinyurl.com/P4H2M1SA>

This syllabus outlines the expectations and structure of the course. Please review it carefully and keep it for reference throughout the year.



Mathematics & Science

CONTRACT AND ACKNOWLEDGEMENT OF SYLLABUS

Please complete and sign the form acknowledging that you have read the class syllabus with your child.

Student Contract: I understand that all work should be completed on time. I understand that my teacher may deduct points per day and communicate this in my Infinite Campus gradebook. I also understand that work turned in after the learning has occurred may not be graded. I understand that using Artificial Intelligence to complete assignments where I am asked to produce original work will be considered Academic Dishonesty.

Parent Contract: I understand that my child is expected to complete assignments on time. I will remain in communication with my child's teacher and monitor missing and late work as noted in Infinite Campus Parent Portal. If my child continues to submit work late, I understand that a parent-teacher conference will be needed to co-develop a plan of action. I understand that my child must not use Artificial Intelligence to complete assignments where students are asked to produce original.

My signature below indicates that I have thoroughly read the course syllabus provided during the first week of school. This syllabus has essential information about course expectations and the grading policy.

Student's Signature _____ Date _____

Parent/Guardian's Signature _____ Date _____

Parent Phone Number: _____ Email: _____