James Clemens High School
11306 County Line Road
Madison, AL 35756

Phone: 256-216-5313
Extension: 95106
Email: rljeffreys@madisoncity.k12.al.us

Course Syllabus
Math Modeling: Fall 2024
Instructor: R. Lee Jeffreys

Dear Parent/Guardian,

I look forward to having a great year! I feel fortunate to have your son/daughter in my class this semester and hope that you will contact me should you have any concerns about the progress of your son/daughter or any aspect of the instruction. With your son/daughter, please read the attached policies, then sign and date this signature page and have your son/daughter return this form. Please provide a current email address and phone number at which I can contact you should the need arise. Please contact me at school with any concerns.

Thank you,

R. Lee Jeffreys

 My child and I have read and discussed the classroom syllabus.

Student Name (Print) _____   Date _____

Student Signature _____   Date _____

Parent/Guardian Name (Print) _____   Date _____

Parent/Guardian Signature _____   Date _____

Email Address(es) _____

Phone number(s) _____   _____   _____
         Cell   Home   Work

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Course Description:

Mathematical Modeling is a course designed to expand on student's previous knowledge by applying it to the context of mathematical modeling to represent and analyze data and make predictions regarding real-world phenomena. Mathematical Modeling is designed to engage students in doing, thinking about, and discussing mathematics, statistics and modeling in everyday life. Prerequisites for this course are Geometry with Data Analysis, Algebra I with Probability, and Algebra 2 with Statistics.

Course Objectives:

Students will have a mastery of the content standards for this course so they are able to succeed in higher-level mathematics. The use of appropriate technology is encouraged for numerical and graphical investigations that enhance analytical comprehension.

Classroom Management Plan

- Verbal reprimand
- Conference with student with parent contact
- Withdrawal of privilege(s) with parent contact
- Other consequences determined to be reasonable and appropriate by the school administration.

Cell Phones

Cell phones and earbuds/headphones will not be allowed to be used during classroom instruction time. Phones and earbuds/headphones will be put away in a location designated by the teacher and placed in silent mode. In secondary schools, students will have access to their phones and earbuds/headphones outside of classroom instruction time such as between classes and lunch. Failure to follow these procedures will result in a disciplinary referral to the office.

Accommodations: Requests for accommodations for this course or any school event are welcomed from students and parents.

Concerning Laptop Utilization: Student laptops should not be hard-wired to the network or have print capabilities. 2. Use of discs, flash drives, jump drives, or other USB devices will not be allowed on Madison City computers. 3. Neither the teacher, nor the school is responsible for broken, stolen, or lost laptops. 4. Laptops and other electronic devices will be used at the individual discretion of the teacher.

Grading Policy:

Test grades will account for 70% of the 9-weeks grade, with the remaining 30% being determined by quiz/daily grades. The grading scale is as follows: A (90-100%), B (80-89), C (70-79), D (65-69), and F (below 65). Grades will be a reflection of mastery of the standards. Make sure all absences are excused as class work can be made up and graded for excused absences only. The final exam counts for 20% of the final grade.

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Make-Up Work Policy:

An absence must be EXCUSED in order to make up a missing project.

Course Materials:

3 ring binder with paper   Pencils

Graphing Paper   Color Pencils

Texts/Required Readings: **A Survey of Mathematics with Applications by Pearson**

Math Modeling - 18 WEEK PLAN	
Week 1	Algebra Review
Week 2	Algebra Review
Week 3	Financial Planning
Week 4	Financial Planning
Week 5	Financial Planning
Week 6	Financial Planning
Week 7	Financial Planning
Week 8	First 9 weeks Review
Week 9	First 9 weeks Review Project
Week 10	Probability & Permutations
Week 11	Probability & Permutations
Week 12	Probability & Permutations
Week 13	3D Design
Week 14	3D Design
Week 15	Final Project
Week 16	Final Project
Week 17	Review for Final
Week 18	Final Exam

* This syllabus serves as a guide for both the teacher and student; however, during the term it may become necessary to make additions, deletions or substitutions.