

James Clemens High School

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Madison, AL 35756

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Course Syllabus

Pre-AP Geometry w/ Data Analysis

Fall 2024

Course Description:

Geometry is a required course that will introduce students to shapes and their properties and will lay a foundation for future math classes. In this course students will develop their spatial awareness and reasoning skills. Students will understand what a proof is and how to write one.

Participation in Pre-AP courses allows students to focus on the most essential and relevant concepts and skills. Students have frequent opportunities to engage deeply with texts, sources, and data as well as compelling higher-order questions and problems.

Course Objectives:

1. Students will have an understanding of different kinds of shapes and their properties.
2. Students will learn Geometric Theorems and Postulates and how to apply them to math problems.
3. Students will know how to write a proof.

For more information visit:

<https://alex.state.al.us/standardAll.php?subject=MA2015&cocode=GEO&summary=3>

Pre-AP Shared Principles:

All Pre-AP courses share the following research-based instructional principles:

1. Students engage in close observation and analysis
2. Students engage in higher order questioning
3. Students engage in academic conversations
4. Students engage in evidence-based writing

Classroom Expectations:

1. Students will be on time to class.
2. Students will come to class prepared with their notebook, pencil/pen, and chromebook
3. Students will put phone away during instruction (see MCS phone policy in student handbook).
4. Students will use technology only when instructed to do so and only for the intended purpose of the activity
5. Students will work together and with the teacher to create a respectful, safe, and productive learning environment
6. Students will follow Madison City Schools Policies and Procedures as presented in the Student Code of Conduct Handbook

Classroom Consequences:

1. Verbal Warning
2. Student conference during refuel and parent contact
3. Loss of privileges and parent contact (i.e. I move a student's assigned seat away from their friend because they are disrupting class)
4. Administration Contact.

*Depending on the nature of the rules not followed, I may escalate consequences accordingly. For example, any disruptions that inhibit students from learning or makes students feel unsafe will automatically result in administration contact.

Classroom Policies & Procedures

Bathroom Policy:

Students are encouraged to use the bathroom in between bells. If a student must use the restroom during class, they are asked to refrain from going during notes and wait until independent work. Students will be allowed to use the restroom one at a time and will be given a pass that permits them to use the bathroom only in downstairs B-pod.

*Exceptions can be made based on students' specific needs and should be privately discussed with the teacher.

Tardy Policy:

1. If a student arrives after the bell, they must get a tardy pass from the front office.
2. If arriving late to class, please enter quietly and promptly sit in your seat as to not disrupt class instruction

Test Day Procedures:

1. Students are permitted to use a calculator, pencil/pen, and approved formula sheets/graphic organizers on their test. All other things must be put in the student's backpack.
2. Students must place their phones in the phone holder before the start of the exam.
3. Once students have finished their exam, they are to take their chromebooks out and work on an i-ready lesson. Cellphones are still not permitted.
4. If a phone is used at any point during the exam, students will receive a 0 for cheating.

Cheating Policy:

Cheating of any kind will result in a 0 on that test or assignment. Any student who aids another student in cheating, will also receive a 0. Please read the cheating policy in the student handbook.

Parents/guardians will be immediately notified if a student is caught cheating.

Make-Up Work Policy:

Students have three days upon returning to school to complete missing work without penalization for EXCUSED absences only. For example, if a student had an excused absence on Monday and returned to school on Tuesday, that student would have to turn in make-up work by Friday to receive full credit on the assignment. If the student needs additional time to complete work, they may privately talk with me.

Please keep in mind, per Madison City Schools policy a teacher is not required to allow students to make-up work, including tests, if they have an UNEXCUSED absence.

Late Work Policy:

If students turn in late work BEFORE the unit test, they will receive 80% of the credit. If students turn in late work AFTER the unit test, they will receive 50% of the credit. Late work will not be accepted after the end of a grading period.

Refuel/Reroute

1. Students will be assigned JetLAG during Refuel if I need to see them to make up work or if I need to

have a student conference. Assigned JetLAG is MANDATORY. Failure to attend assigned JetLAG will result in a verbal warning the first time and an administration referral the second time.

2. Students do not need to be assigned JetLAG in order to see me during Refuel. When my door is open, come on in! Refuel is a perfect opportunity to get that extra help you need if you are struggling. (see my schedule on your schoology page).
3. If a student is failing more than 1 course, they will be assigned reroute by administration. If a student is assigned reroute, details about reroute will be sent to parents via email by Mrs. Flanagan.

Phone Policy

Per Madison City Schools, student electronics cannot be used during instruction, and teachers reserve the right to have students put their phones in a designated area during class time.

Accommodations:

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

Concerning Laptop Utilization:

1. 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:

1. Tests will account for 70% of the 9-weeks grade, with the remaining 30% being determined by daily classwork grades.
2. 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.
3. Make sure all absences are excused as class work can be made up and graded for excused absences only.
4. The final exam counts for 20% of the final grade.

Course Materials:

The following materials are necessary for success in my class and should be brought to class everyday. Please privately message me if you have difficulty purchasing the following materials.

1. Lined Paper
2. Graph Paper
3. Pencils, pens, and highlighters
4. Calculator (Recommended: TI-30xsII)

Textbook:

Big Ideas Learning, *Geometry with Data Analysis*, Ron Larson & Laurie Boswell (Students will have online access to this book; however, if a student wishes to have a hard copy, they may speak to me to check one out).

Semester at a Glance	
WEEK 1	Classroom expectations, policies, and procedures/ Chapter 0: Foundations
WEEK 2	Chapter 1: Basics of Geometry
WEEK 3	Chapter 2: Proofs & Reasoning
WEEK 4	Chapter 3: Parallel & Perpendicular Lines
WEEK 5	Chapter 4: Transformations
WEEK 6	Chapter 5: Congruent Triangles
WEEK 7	Chapter 5: Congruent Triangles
WEEK 8	Chapter 6: Relationships in Triangles
WEEK 9	Midterm Review/ Midterm
WEEK 10	Chapter 7: Parallelograms & Quadrilaterals
WEEK 11	Chapter 8: Similar Polygons
WEEK 12	Chapter 9: Right Triangle Trig
WEEK 13	Chapter 9: Right Triangle Trig
WEEK 14	Chapter 10: Circles
WEEK 15	Chapter 10: Circles
WEEK 16	Chapter 11: Volume
WEEK 17	Chapter 12: Data Analysis
WEEK 18	Final Exam Review

* 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.

Syllabus Acknowledgement Form

After reading through the course syllabus, please fill out and return to Mrs. Siano by 8/5/2024.

My child and I have read and discussed the classroom syllabus. By signing below, we are agreeing to Mrs. Siano's classroom policies or procedures. We know that if we have any concerns throughout the semester regarding Mrs. Siano's policies and procedures, it is our responsibility to contact Mrs. Siano in order to discuss those concerns.

Student Name (Print) _____ Date _____

Student Signature _____ Date _____

Parent/Guardian Name (Print) _____ Date _____

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