

Advanced Geometry with Data Analysis

2022-2023

Donna Legg-Battles, EdS

Email: donna.battles@hartselletigers.org

Course Information: The Advanced Geometry course builds on Algebra I concepts and increases students' knowledge of shapes and their properties through geometry-based applications, many of which are observable in aspects of everyday life. This knowledge helps develop visual and spatial sense and strong reasoning skills. The Geometry course requires students to make conjectures and to use reasoning to validate or negate these conjectures. The use of proofs and constructions is a valuable tool that enhances reasoning skills and enables students to better understand more complex mathematical concepts. Because of its importance, this Euclidean geometry course is required of all students receiving an Alabama High School Diploma. Many skills that will help students to be successful in the ACT and future courses will be emphasized.

Technology: Technology is used to enhance the students' mathematical experience. A calculator, MathXL, Delta Math, and other Internet-based instructional resources will be used in this course. Students need to be proficient at Google Classroom and check email regularly.

Needed supplies:

- 3-ring binder
- notebook paper, pencil or mechanical pencil
- scientific calculator (TI 84 C Plus CE is the recommended calculator)

Grading Policy: Students will be evaluated with quizzes, major tests, projects, classroom participation, assignment checks, and homework. On assignment/homework checks, sometimes credit is given for problems attempted, and sometimes it will be checked for accuracy. Each day assignments not finished in class will be considered homework. Online assignments must be completed correctly to receive credit. Tests, quizzes, and projects (both in and out of class), assignments (online and written) will be the source of grades. There will also be semester exams. Make certain you know how to check your grades in PowerSchool, and ask as soon as you have questions or concerns.

Parent/Student Communication: The best way for parents to reach me is by email. I will be sending out a "Newsflash" periodically to help you keep up with what we are doing in class as well as general information about what's going on at school. Parents, please fill out the form given to students in class so that I will have your email address and contact numbers. **Students should check Google Classroom and school email daily.**

Classroom Procedures:

- Refer to handbook/code of conduct. All school policies will be enforced. Make certain to look carefully at the dress code and policy for cell phones and electronic devices.
- To receive full credit for assignments, work must be correct and completed on time.
- If you choose to receive a textbook, you will need to sign for it and be responsible for it.
- Students should not touch the thermostat, computer, or anything on the teacher's desk unless permission is granted in advance. Please respect others' property.
- You may not move, write on, or sit on top of desks. You will be assigned a desk and held responsible for it.

Classroom Rules:

- Rule #1: Be in your assigned seat when the bell rings and immediately prepare for class.
- Rule #2: Bring binder, pencil, Chromebook or device, and all materials to class each day.
- Rule #3: Be respectful of others and their belongings.
- Rule #4: Follow directions the first time they are given.
- Rule #5 Be responsible for your own work.

Attendance and Make-Up Work: We will do something important and worthwhile **every single day** in class. Your success in this class depends on your **daily attendance**. “You must be present to win!” When emergencies or serious illnesses occur, please share this information with me. The best way to communicate this with me is through email. I will do anything I can to help you. Please refer to the school system attendance policy. When you are absent, make-up work is your responsibility. You should check Google Classroom for your assignment. Scheduling make-up tests is also your responsibility. The maximum amount of time allowed to make-up a test is one week. Make-up tests will be given at 7:15 AM. You must bring with you all needed materials (calculator, straightedge, compass, etc.). Sometimes make up tests will not be given for small quizzes. However, there will always be a makeup test for major tests and exams. If you schedule a test twice and do not show up, you will receive a zero for that test. If you are absent the day before a test, you must take the test with the rest of the class unless we covered new material that day that is included on the test. Tests are announced well in advance. If you miss one day of school, you have one day to make up homework. After being absent for more than one day, ask me how many days you have to make up the rest of your work. I will try to work with you on this. Most of the time you will NOT have a week to make up your work. Often, we will have had a test on the material you missed before the week is up, so you must make up the work before then. Of course, I will make every effort to help you and can make adjustments IF you will communicate your needs to me.

Academic Honesty:

Cheating, either in the classroom or on outside work (including homework) will not be condoned. All students should complete work honestly and with integrity. Always do your best work and then you will be proud of it. Tests: Students will be monitored closely. Giving or receiving information concerning a test before, during, or after that test without permission from the instructor is an act of cheating. Possession of any information, written or electronic, that is in any way related to the material being tested without prior approval from the instructor is considered cheating.

Out of Class Work: Students’ work must be solely his/hers unless the teacher gives specific instructions otherwise. In that situation, a student must credit the source(s) used. Copying homework or allowing homework to be copied is a violation of the policy.

Persons who cheat or plagiarize:

- Shall not receive credit on the work
- Shall have their parents notified by the teacher
- Shall jeopardize their standing in honor societies, extra-curricular activities, and other organizations according to the by-laws of each. Such behavior also jeopardizes letters of recommendation and scholarship opportunities.

Parents,

I hope you find my classroom policies and procedures to be fair. They have been set up to benefit students and contribute to their success in our class. It is very important to me to be fair to each and every student, and to give all of my students the same opportunities. So, if there is ever a question or concern, please contact me so we can avoid any miscommunication. I am so excited about this new school year and am looking forward to getting to know my students. I love it here at HHS, and I am blessed to be able to do what I was called to do.

Don’t forget to fill out the following form (provided in class) so your child can return it to me tomorrow.

Sincerely,

Donna Legg-Battles

Student Name _____ Class Period _____

I have read Ms. Legg-Battles' Advanced Geometry syllabus for the 2022-2023 school year. I have read and understand procedures, rules, and the policies for Academic Honesty. These are on my page of the school website and in Google Classroom.

Students: I pledge to do my own work, my best work, and conduct myself so that I am an encouragement to others.

Student Signature X

Parent Signature X

Please list contact number and email addresses below. Please write the email addresses carefully so that I can add you to the list to receive updates!

Parents/Guardians Info:

Name _____ Home Number _____

Cell Number _____ Work Number _____

Email Address(es) _____

Name _____ Home Number _____

Cell Number _____ Work Number _____

Email Address(es) _____