

Syllabus: Honors Alpha Geometry- Freshman

Ms. Glawe, Lane Tech 2016–2017

Website: <http://glawemathlanetech.wikispaces.com>

Email: kglawe@cps.edu

Schedule: Free - Periods 2, 4, 7

Tutoring: Monday during 4th and after school in room 341
or by appointment

Check the website often, any updates about the class (schedule, homework, etc.) will be put on there.

COURSE DESCRIPTION

Students learn to analyze common geometric shapes and prove conjectures about properties of figures. Students learn how points, lines, segments, rays and angles are used to form polygons, circles and solids. Concepts of transformation, congruence, similarity, area, volume and right triangle trigonometry are studied. Deductive and indirect proofs are used to justify statements about geometric parts. Teachers and students have access to calculator and computer based geometry software that allows the user to create diagrams and explore relationships between figure components. This Honors Alpha course provides support on the topics of collecting and interpreting statistical data needed for science fair projects.

REQUIRED MATERIALS

- Textbook (still to be determined)
- Sharpened pencils and eraser
- Graphing calculator (TI-83, 84, or Nspire is preferred)
- Notebook & folder *or* Binder with section dividers & loose-leaf paper dedicated to this class
- Compass

EXPECTATIONS

In addition to Lane's policies and guidelines, I expect that you:

- Be in your seat ready for class (ID on, materials out, homework completed) and be ready to work on their warm-ups when the bell rings; if you are not in your seat when the bell rings, you will be marked tardy
- No cell phones, headsets, iPods, or other personal technology is allowed in class. Put them away before you walk in the door. There is absolutely no charging your phone in our classroom or any classroom.
- No food or drinks (only water is allowed) in the classroom
- Be respectful of yourself and all others in the classroom
- Be a contributing member of the class (participate in class discussions, work with others in groups, and present solutions to assigned problems)
- Ask for help when you need it; don't forget about math tutoring during lunch in room 341 M, Tu, Th, &F!
- Work hard and try your best!

GENERAL CLASSROOM RULES AND PROCEDURES

- Homework will be assigned daily and posted to Gradebook. Homework will be graded out of 10 points. You will receive a 10 if you attempted and have shown all of your work on all of the problems, 5 for half, and 0 for nothing. You can receive half credit for late assignments if they are turned in the next day. Some homework will be collected and graded for correctness.
- Provided that an absence is excused, you will be expected to take any missed quiz/test within **two** days of your return to school in order to earn full credit.
- After any absence, it is the student's responsibility to ask about missing work upon his/her return.

GRADING COMPONENTS

Tests/Projects/Science Fair: 40%
Quizzes: 20%
Homework/Labs: 20%
Participation: 10%
Final: 10%

GRADING SCALE

A = 90 – 100
B = 80 – 89
C = 70 – 79
D = 60 – 69
F = 59 and below

REMIND

Remind is a safe, free service for teachers to stay in touch with students. I strongly encourage you to sign up for this service to receive timely updates and reminders about assignments, due dates, and other important information. To subscribe, text @glawegeo to 81010.

HALLWAY PASSES

You will be given 2 hallway passes per quarter. You can use these passes for the bathroom, to go to your locker, or for any other reason. Unused passes at the end of the semester can be turned in for extra credit. Do not ask to go to the bathroom or to your locker before class begins; go before you get to class. Anyone late for any reason will be marked tardy. Per Lane policy, there will be no use of passes in the first and last 10 minutes of class for any reason.

SCIENCE FAIR WORK

Science fair work will be completed throughout the year as students continue to develop their projects. Students will use Excel to create tables and graphs to organize/represent their data. Students may visit the Alpha-STEM website for deadlines, examples, and other important information: www.lanetech.org/alpha

ACADEMIC INTEGRITY

Working together on homework and projects where appropriate is strongly encouraged. However, copying other people's work is cheating. If you copy from another student or you let someone copy you, you will receive a zero for the assignment or assessment, and will not be permitted to redo the assignment/assessment.

****Procedures & policies may be changed or added at any point during the year if needed. I will notify you of any important changes.**

**Students with IEPs will be graded following the guidelines set forth in their IEP*

Let's have a great year together and learn some math!

