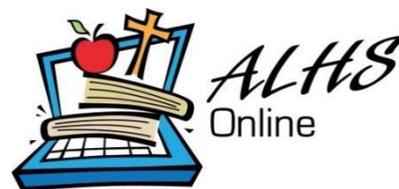


Geometry

Course Syllabus 2020-21



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Grade Level: 8-12th

Course Length: 2 semesters

Credit: 1 credit (see policy at end of syllabus)

Prerequisites: "B" average or better in Algebra 1

Description:

Geometry is an integral part of every high school mathematics curriculum. Course content includes perspective, space, dimension, application and calculation of measurements, and an introduction to trigonometry. Students will use their own logic along with key geometry theorems to create proofs and constructions. Through successful completion of this course, students will be prepared to advance to Algebra II.

Course Outcomes:

Upon successful completion of this course, students will:

- Develop a knowledge of theorems and postulates
- Apply algebraic skills to work with two and three-dimensional figures
- Solve complex geometric proofs
- Gain familiarity with basic trigonometric functions
- Communicate Geometric concepts clearly

Course Outline:

Course Content

- I. Postulates, Proofs, and Logic
- II. Properties of Polygons
- III. Applying Properties of Similarity
- IV. Geometry in Three Dimensions
- V. Introduction to Trigonometric Functions

Course Materials:

Required textbook:

Saxon Geometry Student Edition – 1st Edition

ISBN-13: 978-1602773059 or ISBN-10: 160277305X

(Only the book is needed, additional CDs and resources are not needed)

Required software:

Geogebra Classic 6 – This free app can be found at www.geogebra.org/download

Other needed course materials will be made available via the online Learning Manage System (LMS).

Evaluation & Grading Scale:**Assignments:**

Daily activities will be found with each lesson. These activities are mandatory, unless otherwise indicated. Assignments that are completed from the textbook can be submitted in a few ways. You may complete the assignments on paper and submit a picture of your work (be sure the image is well lit and the quality is high enough that it can be easily viewed) or if you prefer to use a note taking app on a tablet you may submit a screenshot of your work. Many activities will be completed directly through the course website on Moodle. Please be sure to contact me if you have any difficulties or questions about what needs to be submitted, or how it should be submitted.

Our Saxon Geometry textbook will serve as the primary source of content for learning new lessons and completing assignments. Additional resources will be provided as links in each lesson’s guide sheet. Two sources you will become very familiar with are Khan Academy and IXL.com. Both of these sites offer a large library of resources, you are encouraged to explore both and seek additional reference and practice as you desire.

Evaluation & Grading:*Grading Scale*

100-98%	A+
93-97%	A
92-90%	A-
89-87%	B+
86-83%	B
82-80%	B-
79-77%	C+
76-73%	C
72-70%	C-
69-67%	D+
66-63%	D
62-60%	D-
59-0%	F

Overall Grades will be based on:

Tests	45%
Quizzes	25%
Homework	15%
Discussion participation	15%

Instructor Policies:

Expected of Students:

- Plan to log into the course daily to view new lessons and complete the required activities. Spending 30-40 minutes learning new material and an additional 30 minutes – 1 hour on homework is a reasonable amount of time to plan on daily.
- Activities are assigned to reinforce and deepen the student’s understanding of content.
- All activities are due at the specified date indicated by the activity title. Please complete assignments promptly, especially as you will occasionally be collaborating with classmates.
- Look ahead carefully at due dates. The calendar for our Geometry course may not follow your school calendar. You may have assignments due when you are not in school, or you may have days off of Geometry when you are in school.
- Work that is not turned in on time is late and receives a 0. Late work must be turned in by the following day at which point the 0 will be replaced with the full letter grade. If it is not turned in the following day, the 0 grade becomes permanent.
- Beginning with the 4th late assignment of the quarter, all late assignments are permanent 0's.
- Students are expected to complete their own work. A first offense of academic dishonesty will result in a 0 for that assignment. A second offense will result in a student’s removal from the course.

ALHS Online Policies:

Current ALHS Online policies are listed in the *Handbook for ALHS Online Students and Parents*, available on the ALHSO.org website. This includes policies on non-discrimination, anti-harassment, student expectations, attendance, academic honesty, student discipline, student grades, course add/drop, etc.

Please note the policy on **class attendance** which states in part:

“Even if a student’s local school does not have school on a particular day (snow day, teacher’s conference, quarter break, choral fest, class trip, etc.) ALHS Online courses will continue to meet and students are expected to complete required work on time.”

Students also fall under the policies of the school were they attend as a full-time student. When applicable, these same local school policies will be applied to enrollment in this ALHSO course.

High School credit: It is up to each high school to determine if a student successfully completing the Geometry course in 8th grade will also receive high school credit. Some high schools have a proficiency test that students need to take to determine a student's knowledge. Check with your local high school for information on their policy. Earning a D or F in this course will not bode well for high school credit.