

Course Syllabus

Honors Geometry

Fall 2019

Welcome to the beginning of a new school year and to Honors Geometry! As we prepare for a productive semester of learning and achievement, I would like to provide some important information about the goals and expectations for this class, which will help each student be successful.

Teacher Information

Mr. Valenti

kevin.valenti@qacps.org

Room 918

Google Classroom code:

Course Description

(1 credit) This course is designed for students who are capable and interested in progressing through the topics of Geometry in greater depth and at an accelerated pace. This course focuses on the development of transformational, coordinate, and Euclidean geometry within the context of real world applications. Students will study logic, inductive & deductive reasoning, geometric definitions, postulates, and the proofs of theorems. Other topics include an introduction to trigonometry and vectors. This is a rigorous course that places an emphasis on mathematical reasoning and communication. It is recommended that each student have a graphing calculator.

Recommendation: Satisfactory completion of 8th Grade Algebra I.

Course Content:

- Unit 1: Topic 1 – Using Inductive Reasoning and Conjectures
Topic 2 – Rigid Transformations
Topic 3 – Transformations and Coordinate Geometry
- Unit 2: Topic 4 – Deductive Reasoning and Logic
Topic 6 – Lines and Transversals
- Unit 3: Topic 7 – Properties of Triangles
Topic 8 – Special Lines and Points in Triangles
- Unit 4: Topic 9 – Congruent Triangles Postulates
Topic 10 – Using Congruent Triangles
Topic 11 – Compass and Straightedge Constructions
- Unit 5: Topic 12 – Dilations and Similarity
Topic 13 – Applications of Similarity
- Unit 6: Topic 14 – Pythagorean Theorem and the Distance Formula
Topic 15 – Right Triangles and Trig Relationships
- Unit 7: Topic 19 – Chords, Arcs, and Inscribed Angles
Topic 20 – Lines and Segments on Circles
Topic 22 – Arc Length and Sectors of Circles
- Unit 8: Surface Area and Volume (combination of topics 23, 24, 25, and 26)

Materials

Pens (blue/black ink) and pencils

1-2" 3-ring binder (dividers recommended)

1 spiral notebook

Laptop (charged)

Graphing calculator

Graph and college ruled loose leaf paper

Dry Erase Markers

Highlighter

Grading Policy

Marking Period grades will consist of:

- Final Exam - 15% of final grade
- Mastery Assessments - 45% of final grade
 - Large projects
 - Unit tests
 - Midterm
- Progress Assessments - 40% of final grade
 - Classwork (warm-ups, partner/group work, exit tickets, etc.)
 - Homework
 - Quizzes
 - Small projects

Grading Scale

A	90-100	Excellent
B	80-89	Above Average
C	70-79	Average
D	60-69	Unsatisfactory
F	59 & below	Failing

Late Work/Make-up Work

1. Late assignments are those that are submitted late not due to an absence. Late work will be accepted with the following restrictions:
 - Work must be turned in within 3 days of the due date. Every day late the grade reduces by 10%, not to exceed a maximum reduction of 30%.
2. If a student is absent, he/she has as many days to complete make-up work as they were absent. It is the student's responsibility to obtain missed assignments/notes.
3. If a student will be absent for 3 or more consecutive days, parents/guardians are encouraged to communicate with the teacher about work that can be completed at home. Such work may be available online or arranged to be picked up at the front office.

Classroom Rules and Expectations

Students are expected to abide by the school rules. Disciplinary action will result if a school rule is broken. Disciplinary action might include, but is not limited to, teacher student conference, home contact, detention, or office referral.

1. Respect the space, property, and ideas of others
2. Use appropriate and positive language
3. Be in class on time with all necessary materials
4. Maintain a positive attitude about learning
5. Demonstrate cooperative and appropriate behavior

Availability

I will be available after school by appointment only. If you need extra help, *please ask!* If staying after school, students must arrange transportation and bring class materials/notes.

**** NOTE to Parent/Guardian ****

Parent Portal is the QACPS website that allows you to see your student's current grades by going to the internet. If you are not already signed up, please call the guidance office (410-604-2070) for information.

Please detach and return the lower portion of this page.

Parent/Guardian Information (fill out only what you are comfortable with)

Parent/Guardian Name: _____

Email Address: _____

Work Phone: _____ Home Phone: _____

Cell Phone: _____

Preferred form of communication (circle one):

Email Cell phone Work Phone Home Phone

Any other comments or information you would like me to know:

I have read and understand the information given in the attached syllabus for Honors Geometry.

Student Name (printed): _____

Student Signature: _____ Date: _____

Parent Name (printed): _____

Parent Signature: _____ Date: _____