# Applied Geometry 2020-2021 (Online Learning) Cassandra Johnson, A221

**Class Syllabus Dulles High School**

Welcome to Geometry! Geometry involves the study of points, lines, planes and other geometric figures as they relate to our physical world. Students will learn to measure geometric figures and their areas and volumes; develop their logic and inductive and deductive reasoning skills. The relationship between figures and properties that make figures unique will be developed and applied to real world situations.

### Textbook

Texas Geometry, 2016

### Online Textbook and Resources

### Supplies

* Pencils or Pens (for taking Notes – if necessary)
* Notebook paper
* Calculator

*A personal graphing calculator is not required, but highly recommended.* *(TI Nspire, TI 84+, TI 84, TI 83, TI 82)*

*A class set of calculators is available for class use but they do not leave the classroom (on campus ONLY).*

*Those students wishing to have a personal calculator, but unable to get one may check out a TI-82 at no fee from the school (pick up a form from the textbook office and return to the textbook office, first come first served basis).*

### Strategies for Success

1. Be respectful – Respect yourself, your classmates and any adult instructing you.
2. Be on time – Be in the virtual class with your cameras on and your mic muted.
3. Be prepared – Bring your completed homework/assignments and your supplies (paper and pencil).
4. Be organized – Keep your notebook organized.
5. Be present – We will move steadily all year – missing class can really set you behind!
6. Be resourceful – Ask questions, use online resources and come to tutorials when necessary.

### Course Outline

|  |  |
| --- | --- |
| Grading Period | Unit |
| Grading Period 1 | Unit 1: Foundations for Logical Reasoning |
|  | Unit 2: Angular and Linear Relationship |
|  | Unit 3: Properties of Transformations |
| Grading Period 2 | Unit 3: Properties of Transformations (continued) |
|  | Unit 4: Proofs of Triangle Congruence and Similarity |
|  | Unit 5: Exploration of Triangle Properties |
| Grading Period 3 | Unit 6: Exploration of Polygon and Quadrilateral Properties |
|  | Unit 7: Right Triangle Relationships |
|  | Unit 8: Circle Relationships and Proofs |
| Grading Period 4 | Unit 9: Dimensional Analysis of 2D Figures |
|  | Unit 10: Dimensional Analysis of 3D Figures |
|  | Unit 11: Applications of Probability |

### Tutorials

Math Models availability for tutoring help according to the following schedule. (Virtual using MSTeams)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Monday | Tuesday | Wednesday | Thursday | Friday |
| Morning  (8:00-8:50) | ----- | ----- | Mrs. Johnson | ----- | ----- |
| Afternoon  (2:30-3:20) | ----- | Mrs. Johnson | ----- | ----- | ----- |

### Grading Policy

50% Major Grades – including Major Tests and Projects

50% Daily Grades – including Discussion, Variety of Activities, Quizzes, and some participation

### Homework

Homework will be assigned as needed and must be ready to turn in when requested. Daily work is an important part of this course. Mastery of the material can only be achieved with practice. Good work habits = success!

### Late and Missing Work

Late homework may be turned in one day late for 70% credit.

### Makeup Work

Each student is responsible for checking the calendar and making up any missed work.

If you are absent on the day of an announced test, you will be required to make up that test during class upon your return. If you miss instruction immediately prior to a test, you will have one day to make up that work before taking the test. You must make special arrangements to make up the test. (*When we return to campus*)

### Contact Information

The easiest way to contact me is by email. Please email me any time you have a question or concern. I will respond to you as soon as possible.

Email: cassandra.johnson@fortbenisd.com

Phone: 281-634-6891

Conference Time: Monday/Thursday 10:15 – 11:15 & Wednesday 2:50-4:00 a.m. by appointment

Website: https://www.fortbendisd.com/Page/5580

### Student/Family Access (Online Gradebook for Students and Parents)

### Fort Bend ISD allows parents to access up-to-date student information including grades using Family Access. The website link is <http://www.fortbendisd.com/departments/technology/family-access>

### I strongly encourage both parents and students to use this tool to track grades and communicate with teachers. I will use the Message Center in Family Access to send information like test notices, reviews, etc. to students and parents throughout the year. Please make sure your email addresses are correct in Family Access so that you can receive this information.