

# Geometry AAC – Elkins High School

Ms. Amber Pearson



## Course Description

Geometry AAC emphasizes logical thinking and its application in the informal justification and formal proof of conjectures. Students solve problems by synthetic (traditional), coordinate, and/or transformational methods. Problem solving applies the Algebra previously learned, emphasizes connections, and involves non-routine applications. Students are expected to independently identify the appropriate techniques needed to complete their work. Investigations utilizing tools including technology allow and require independent thinking during class time. The semesters are outlined below:

### Semester 1

Angular and Linear Relationships  
Logical Reasoning and Proof  
Coordinate Geometry  
Transformations  
Similarity and Congruence  
Triangle Properties

### Semester 2

Right Triangle Relationships  
Polygons and Quadrilaterals  
Circle Relationships and Proofs  
Dimensional Analysis of 2D Figures  
Dimensional Analysis of 3D Figures  
Applications of Probability

## How your grade will be determined:

Students are responsible for the grade they are to earn in this class. Diligent students who keep up with all assignments and seek help when needed typically do well in this course.

### 50% Daily Grades

- Quizzes
- Collected Assignments
- Homework Checks, some In-class activities

### 50% Major Grades

- Tests
- Some Projects

## Items you will need for class:

- ★ District-issued laptop to log into Schoology and other web tools when necessary
- ★ Basic scientific calculator that can add, subtract, multiply and divide (TI-30 XIIS is great!)

- ★ Writing utensil of your choice
- ★ Spiral notebook or binder with blank paper
- ★ Positive, hard-working attitude

## Technology we will utilize:

### Schoology

Schoology will have notes, examples, lesson videos, extra practice, answer keys and many of your assignments posted weekly. Student and Parent folders are available with information, assignments, due dates, etc. Teachers will post reminders and assignments on Schoology, so it is important to log in frequently!

### Skyward

Skyward is where you will see your grades for each class. Be sure to review Skyward often to stay up to date on both your progress as well as what's coming up next in our course.

Minimum grade requirement (term):  
6 daily grades and 3 major grades

### DeltaMath, Desmos, TI-Nspire, etc

We have lots of other excellent technology to explore that will help us deepen our understanding of not only the new topics covered in our Geometry class this year, but also to reinforce skills from previous math classes.

## Contacting Me:

If you are having any problems or have any concerns you would like to discuss, please contact me.

1. Students - let's chat face to face before/after/during class or tutorials if at all possible
2. Parents - email: [amber.pearson@fortbendisd.gov](mailto:amber.pearson@fortbendisd.gov)
3. Parents - phone: 281-634-2600 (front office), 281-634-3948 (please leave a message)

Looking forward to a wonderful year!

*-Amber Pearson*