

2021-22 Syllabus  
Geometry  
Mr. Anthony  
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Welcome to Gateway Academy my name is Mr. Anthony, and this is your Geometry class Syllabus. Three years as an undergraduate teaching assistant at Berea College, 3 years employed teaching Physics laboratory classes, ACT/SAT math prep, and hundreds of students guided one-on-one through statistics, trigonometry, geometry and more at a community college while finishing my master's degree in education with a focus on college mathematics has prepared me for our time together.

**Classroom Expectations, Protocols and Accommodations**

- Always follow the Honor code: Be Safe, Be Responsible, Be Respectful.
- Show up to class on time with materials and ready for fun.
- Class time is always provided for all work, along with detailed examples, and group work time.
- Technology use is to be focused on Academics only.
- When printing documents students must gain Teacher approval.
- Assignments will be handwritten so students can show their work.
- While we will learn to do everything by hand, calculator use is also taught, and encouraged greatly (some financial calculations require 3 or even 4 steps, tools like a calculator make our job easier).

## **Grade Configuration**

- **70% of your grade is from weekly homework and group quizzes**
- **30% of your grade is from math tests and the final exam**

## **Learning Methods and Organizational Strategies**

While homework makes up a good portion of the final grade, we will focus less on individual answers and more on underlying concepts, rules, and definitions which will guide us, no matter how confusing the numbers, or word problems may be. In short, you promise to bring pencils, paper, and a good attitude, and I promise to make it fun. You promise not to guess or keep your confusion to yourselves (tell me when it is not making sense!), and I promise to make it make sense. To YOU.

## **Curriculum and Content to be Covered**

- Foundations of Geometry including but not limited to the definitions for terms, formulas, and needed underlying mastery of algebraic rules. Triangle definitions, trigonometry identities, their place in the unit circle.
- Problem solving; While math asks for the one correct answer, it rewards original thinking, and as a result there are often many paths to that one right answer. We will solve word problems in both directions and will not leave this class scared of them any longer.

- Video lessons to supplement in-class lessons and discussions.
- Weekly quizzes (Fridays) played in a Family Feud format for bonus points on the week's homework.
- We will know how algebras cartesian plane maps onto the real worlds circle and creates those nice neat 90-degree increments.
- We do not leave our fellow students behind, this means I reserve the right to slow down, space out, or even delay new concepts as we take more time on current ones. You will not catch me at my desk, as I will be a whirlwind of activity and individual help. I also reserve the right to call upon YOU to assist your fellows. Gateway is a village, and your math class will be no different, as together, WE can do anything.