

# Geometry (2022-2023)

## Mr. Hvizdos/Mrs. Gefell

Geometry is a full year course designed to explore CONSTRUCTIONS & RIGID TRANSFORMATIONS; CONGRUENCE; SIMILARITY; RIGHT TRIANGLE TRIGONOMETRY; SOLID GEOMETRY; COORDINATE GEOMETRY; CIRCLES; and CONDITIONAL PROBABILITY.

### Materials:

- Compass/ruler/protractor
- Three-ring binder or spiral notebook or composition book
- Computer
- Pencil
- 8 ½" by 11" paper or spiral notebook
- Graph paper
- Calculator

### Grade Determination:

- **70% - Concept Unit Assessment**
  - Students receive grades for their demonstration of math concepts in each concept unit.
- **10% Portfolio Problems**
  - Students receive grades for their demonstration and application of unit concept skills.
- **14% of a student's grade is based on passing Power Focus Areas**
  - Students pass a Focus Area by passing Content Assessments (at least 8/10).
- **6% of a student's grade is based on passing Additional Focus Areas**
  - Additional Focus Areas are not required, but they count toward a student's grade (at least 8/10).

### Classroom Rules:

1. Follow directions.
2. Use appropriate language, sounds, movements, and gestures.
3. Respect all school property and equipment.
4. Respect your classmates and any teacher.
5. Be prepared for class and be on time.

### Cell Phones/Technology:

Class periods are short. It is imperative that you use the time wisely in class. This means that cell phones must NOT be used during class unless directed by a teacher. Cell phones are a distraction not only to yourself, but also to those around you as well as the teacher. The same goes for AirPods. AirPods should NOT be worn in class. They are distracting and can prevent you from hearing important information. Cell phones, AirPods, and all other smart technology should be kept out of sight. Please be respectful and keep your cell phones out of sight. Remember, you are here to learn!!

### Bathroom Policy:

- Every student will receive three (3) emergency bathroom passes per quarter.
- A teacher will provide a pass when a student uses the restroom during instruction.
- Being in the restroom without a pass, loitering for extended periods of time and socializing in this area will be considered cutting that class.

**Consequences for Choosing to Break the Classroom Rules:**

1. First Infraction: Verbal warning.
2. Second Infraction: One-on-one meeting.
3. Third Infraction: Possible detention, call to guardian(s).
4. Fourth Infraction: Possible detention, meeting with guardian(s).
5. Continued or Severe Infractions: Sent to administration.

**\*Depending on the severity of the situation, the order of these consequences may change.**

**Keys to Success:**

- Keep up on a daily basis.
- Make a positive contribution to the class.
- Ask questions.
- Practice, Practice, Practice!
- See the teacher for extra help if you are having any difficulty.

**Why Study Mathematics? (From the Ohio Mathematics & Science Coalition):**

- To prepare for high-paying and high-quality jobs that improves one's quality of life.
- To support our country's economy, workforce, and national defense.
- To gather and understand information, think critically, and become good problem solvers.
- To build an understanding of natural phenomena and human made devices and systems.
- To be well-informed and better-prepared members of a community.
- To appreciate the beauty and complexity of the arts, nature, and so much more of our world.

**Contact Information for Mr. Hvizdos:**

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