



## Geometry Syllabus - 2025 - 2026

Cory Mack

[mackco@masd.k12.wi.us](mailto:mackco@masd.k12.wi.us) , (262) 363-6200 ext. 25232 , Availability 10am - 12pm or  
after 2:50pm



### Course Description:

Geometry is the study of the relationship between points, lines, and planes in space. The course stresses the basic concepts of plane geometry, while including the geometry of three-dimensional figures, and also strengthens algebraic skills. Emphasis is placed on logical reasoning, using the deductive method of formal proof, and analyzing and solving problems. A scientific calculator will be a requirement of all students.

### Course Outline:

#### Semester 1

Unit 1: Basics of Geometry

Unit 2: Transformations

Unit 3: Proofs and Lines

Unit 4: Triangle Congruency

Unit 5: Triangle Properties

Unit 6: Quadrilaterals

#### Semester 2

Unit 7: Similarity

Unit 8: Right Triangles and Trigonometry

Unit 9: Circles

Unit 10: Circumference, Area, and Volume

Unit 11: Statistics and Probability

### Primary Resources:

Google Classroom

Big Ideas Geometry (Electronic or Paper)

### Grade Breakdown:

| Semester Grade | Practice      | Formative | Summative |
|----------------|---------------|-----------|-----------|
| 80%            | 10%           | 20%       | 70%       |
| 20%            | Semester Exam |           |           |

### Grading Scale:

| Grade      | Percent | Grade | Percent | Grade | Percent |
|------------|---------|-------|---------|-------|---------|
| A+         | 97-100  | B     | 83-86   | C-    | 70-72   |
| A          | 93-96   | B-    | 80-82   | D+    | 67-69   |
| A-         | 90-92   | C+    | 77-79   | D     | 63-66   |
| B+         | 87-89   | C     | 73-76   | D-    | 60-62   |
| F Below 60 |         |       |         |       |         |

### Late Work/Missing Work Policy:

Mukwonago Area Schools believes that feedback is an integral component to student success in teaching and learning. Mukwonago High School expects that all students will turn in work by the intended due date to receive full credit and necessary feedback. Students will have the opportunity to turn in practice and formative assessments up to 2 school days late to receive partial credit.

- **Full Credit:** Students *might* receive full credit if the practice or formative assessment is turned in on the due date.

- **Partial Credit:** Students will receive partial credit if the practice or formative assessment is turned in up to two school days after the due date.
- **Zero Credit:** practice or formative assessment can be turned in past the two days to remain eligible for reassessment; however, no credit will be given.

### Assessment Policy:

Assessments are used to measure student learning of essential learning standards within a unit of instruction.

**Cumulative Assessments** (Ex. Projects, Essays, Presentations, Semester Exams): These end of unit assessments are final products of learning in which students have had several opportunities to make adjustments based on feedback. Retakes are not provided for these types of end of unit assessments. **\*Not eligible for retake**

**Summative Assessments** (Ex. Test): This end of unit assessment uses various types of questions that students have studied but not previously seen. Students are eligible to reassess if the following criteria are met: practice and formative assignments for the unit have been completed and turned in prior to the summative assessment, student meets with their teacher to schedule a reassessment, and demonstrates relearning within 2 weeks of receiving the original assessment. The reassessment grade will replace the original summative grade, regardless if the new grade is lower than the original assessment. **\*Eligible for retake**

### Materials/Supplies needed:

- ☐ Charged device
- ☐ Pencils/Pens/Colored Pencils
- ☐ Calculator **(TI-30XI or higher)**
- ☐ Three Ring Binder (1.5" - 1 per semester)
- ☐ Loose leaf paper
- ☐ Ruler (Straight Edge)

### Expectations & Classroom Conduct:

I expect that each student will work hard, have a great attitude, and complete this course successfully. To do this I expect the following:

- Each student is expected to be on time and in class each and every day, and display a positive and cooperative attitude.
- Each student will come to class prepared EVERY DAY. This means charged chromebooks, binders, writing utensils, homework, and especially any questions they may have.
- Students are expected to complete all class work and assignments with justifications. All answers must be justified with work shown.
- Students are expected to RESPECT themselves, each and every one of their classmates, and school property.
- Each student is responsible for letting me know if they require any extra help outside of class time.
- Each student will take responsibility for making up any missed work due to excused absences or field trips by regularly checking our Google Classroom.

Tardiness will be tracked in Infinite Campus (IC), and the following steps will be taken for each occurrence:

1st Tardy: Verbal warning

2nd Tardy: 10-minute detention with the teacher (must be served within 2 days) and parent contact; administration will be notified through Educlimber.

3rd Tardy: Teacher will submit an IC office referral. Administration will meet with the student, assign an after-school detention, and contact the parent.

4th +: The teacher will submit an office referral in Infinite Campus (IC), and administration will determine appropriate consequences at their discretion.

### Academic Honesty:

The Mukwonago Area School District emphasizes the importance of academic honesty and integrity as essential to education.

Students are expected to complete and represent their work truthfully and are held accountable for academic misconduct, including

cheating, plagiarism, and misuse of artificial intelligence. Teachers review the academic honesty policy at the start of each course. Consequences for dishonesty vary by offense: the **first offense** results in a zero on the assessment, parent contact, administrative review, and permanent ineligibility for National Honor Society; the **second offense** leads to another zero, a parent meeting with administration, and ineligibility for valedictorian or salutatorian honors; a **third offense** results in withdrawal from the course with a failing grade or audit status, and loss of honors pass privileges.

**Tips for Success:**

**DO NOT BE AFRAID TO ASK FOR HELP! I cannot stress this point enough.** I will work with you on questions you have until you have them answered in a way you understand. I will be available during the following times for extra help:

Before school Rm. # 232 7:10 – 7:25

After School Rm. # 232 2:50 – 3:15

Math Lab during a study hall period. (Upper Commons)

If none of these times work for you, please come talk to me and we will find a time that works for both of us!

Necessary Study Habits for Success in Geometry:

The following are some study habits that have been found to be useful and necessary for success in this course.

A successful Geometry student:

- Reads *carefully* the assigned lesson daily.
- Completes practice assignments on time.
- Attempts *all* problems on the assignment.
- *Carefully* shows all steps in solving problems.
- Asks questions and seeks help when needed.
- *Carefully takes notes* on each section and tries all examples.
- Participates and works well in small groups.
- Participates in class large-group discussions.
- Makes good use of work time in class.
- *Honestly* uses answers that are provided in the text.
- *Accurately* corrects his/her assignment when given answers during class.
- *Carefully* uses review materials to prepare for summative and formative assessments.
- Makes up all assignments when absent.
- Remembers basic facts, properties, and definitions.
- Maintains and projects a positive attitude toward the class.
- Uses behavior during class time that is respectful and conducive to a good, positive learning environment.

Furthermore, I promise to be available for each and every one of my students in and outside of class time to meet their individual needs. When a student feels he/she needs additional help, they should contact me right away so that I can make time to work with them outside of class. Finally, I promise to provide you with a safe, secure environment in which we can all learn, and have little fun doing it! Please feel free to contact me anytime.

*All Mukwonago policies & procedures will be followed and enforced in this class as outlined in more detail in the [Mukwonago High School Student and Parent Handbook](#).*