

Geometry Syllabus 2024-2025

Course Overview

Geometry is a branch of mathematics concerned with questions of shape, size, relative position of figures, and the properties of space. The concepts learned in this course will build problem-solving skills that are critical to everyday living. You will be challenged to elevate your thinking. The rigorous curriculum will ensure preparedness for advanced areas of mathematics and the Regents Exam.

Course Goals

Students will be able to...

- Make sense of problems and persevere in solving them.
- Reason abstractly and quantitatively.
- Construct viable arguments and critique the reasoning of others.
- Model with mathematics.
- Use appropriate tools strategically.
- Attend to precision.
- Look for and make use of structure.
- Look for and express regularity in repeated reasoning

Course Plan

- Unit 1 Tools of Geometry
- Unit 2 Rigid Transformations
- Unit 3 Congruence
- Unit 4 Similarity
- Unit 5 Right Triangle Trigonometry
- Unit 6 Coordinate Geometry
- Unit 7 Solid Geometry
- Unit 8 Circles
- Unit 9 Regents Review

Tools for class

Must Have:

- 9 2 Pocket Folders
- Pencils/Pens
- 1 Ruler
- Calculator App - Calculate84 or Calculator X

Nice to Have:

- 1 Compass (Suggested Mr. Pen 7\$ on Amazon)
- 1 Eraser (Suggested Pentel Hi-Polymer)
- Graphing calculator TI-84 Plus (\$99)

Grading Policy:

- 50% Major Assessments/Tests
- 25% Minor Assessments/Quizzes
- 25% Homework, First Tasks, Exit Tickets, Classwork

Grading Rubric: Assignments/problems will be graded using the following rubric where necessary

0 Insufficient evidence 45%	1 Not yet met standards 50%	2 Approaching Standards 65%	3 Meeting Standards 85%	4 Exceeding Standards 100%
No evidence is present to assess understanding.	A limited understanding of the skill is demonstrated.	A partial understanding of the skill is demonstrated.	An overall understanding of the skill is demonstrated.	A clear and thorough understanding of the skill is demonstrated.



Lateness and Attendance

Being present, physically and mentally, is crucial for success. Any missed class or assignments (either from lateness or absence) will make it **much more** difficult to learn the skills practiced in class. If you are late or absent, email your teacher as soon as possible to let them know. Then check in with a peer, the google classroom, or your teacher to catch up on what you missed in class. You are responsible for obtaining missed assignments, notes, and learned knowledge that day. You will still be expected to turn in homework due the following school day. If you missed a quiz or test immediately make an appointment with your teacher to sit for an alternative version of the assessment within seven school days.

Homework

Homework will be assigned every class and will be expected to be submitted before the start of the next class.

Google Classroom

The google classroom will be used frequently to share important class announcements and post class assignments.

Your google classroom code is: _____

Classroom Expectations

1. You are expected to be engaged in all classroom activities for the duration of class.
2. You are expected to be kind and respectful to all learners and teachers in the classroom.
3. No food or drink should be consumed during class (water in a closed container is ok).
4. Electronics (cell phones, earbuds, headphones) should be off and put away in Yondr pouches at all times during class. If laptops are in use, they should only be used for classroom activities.

Student and Parent Signatures

I have read and understood the course syllabus.

Student Signature _____

Parent/Guardian Signature _____

For homework credit, show your signed syllabus to your teacher within one school day of receiving the syllabus. Do not turn this in! Keep this form to reference important class information.