

Course: Geometry CP 2025-2026

Text: Discover Geometry

Publisher: Michael Serra, 2003

Instructor: Mr. Berman

Email: Zachary_Berman@wrsd.net

Google Classrooms:

E-Block Code: [f64xlxx3](#)

F-Block Code: [fmsbzikf](#)

G-Block Code: [xnsga63q](#)

Room: E205

Office: E108

This course fulfills the following Wachusett Regional High School student expectations to:

- *Exercise citizenship and practice responsibility*
- *Communicate effectively through writing and speaking*
- *Think critically and solve problems*
- *Be creative and innovative*
- *Collaborate with other students*
- *Use technology effectively and responsibly*

Course Description:

Geometry is the study of visual patterns and learning geometry is greatly enhanced by being able to see these patterns and by using diagrams. This course is designed to help students develop and refine their analytical, inductive, and deductive thinking skills. In this course, students will “learn by doing” through an informal guided-discovery approach. They will actively be involved in this process of learning and will actually “discover” geometry for themselves.

Course Outline: (Approximate)

Semester 1

Building Blocks of Geometry
Reasoning in Geometry
Geometry Constructions*
Triangle Properties
Polygon Properties
Circles

Semester 2

Circles
Transformations
Area
Pythagorean Theorem
Volume
Similarity
Trigonometry

Materials needed for this class:

Each day, students **must** bring

- Students are expected to come prepared with their chrome book, notes/notebook/print outs and paper to write on (either for submission or scrap work)
- ❖ a scientific calculator. I recommend that you invest in a calculator that will carry you through future math and science classes. The TI-83 Plus or TI-84 graphing calculators are both great calculators to own. I use a TI-84. The TI-30XIIS and TI-30XS are adequate calculators for about \$12-\$18. **(PHONES WILL NOT BE ALLOWED AS CALCULATORS)**

Please pay close attention to Google classroom announcements! Students have found it helpful in the past to “push” notifications to their electronic devices!

Classroom Rules and Expectations:

Students are expected to:

- Be respectful at all times.
- If a class is “skipped” or “cut” all graded work will result in a 0 for the class.
- Be ready for the beginning of class when the bell rings. This means being in your seat and ready to go when the bell rings, not dashing in as the bell is ringing! If you are late, please enter the room quietly and sit down without

disrupting class. Consequences for repeated tardies to class will follow the school wide policy.

- Come prepared daily with your homework, notebook, pen/pencil, calculator and **CHROMEBOOK**.
- *Listen* when it is someone else's turn to talk. Specifically, if I, a substitute, aide, CLA or an administrator is addressing the class or a test is in progress, students should be silent. Otherwise, students may discuss class related information quietly.
- All equipment in the classroom can only be used with permission from the teacher.
- Remain seated except with teacher permission. If you must leave the classroom during the class period please wait for an appropriate time to minimize any classroom distractions. If you have a "bathroom emergency" you have my permission to just get up and leave the classroom - don't ask, just go.
- Although I will try to post much of the class material online, students are expected to take notes in their notebooks/binders when appropriate...active learning!

Infractions will result in warnings; repeated infractions will result in referrals.

Grading:

Students will be graded as a way to assess their progress and give feedback on their knowledge. Assignments will be given point values based on type. Grades shall be calculated using the following equation:

Overall quarter grade = total earned points/total possible points.

Students may be graded in the following areas:

- **Tests** – All tests will be announced in advance and can be worth up to 100 points each
- **Quizzes**– Some, but not all, quizzes/concept checks will be announced and are worth 10-50 points each.
- **Quiz/Test Corrections**– Students will have the opportunity to complete corrections on certain assessments. Corrections may earn back up to **50% of the points lost** on the original assessment. All corrections **must be handwritten and submitted on paper**. Failure to meet these requirements will result in **no credit** for the corrections.

- **Homework/ Classwork** – There will be homework just about every night and will be collected and graded based upon effort and completion. Regular homework assignments will be worth up to 4 points. Homework checks will periodically be given as formative assessments and graded for accuracy.
- *Late electronic homework or assignments will receive a deduction of 50% until the first assessment of the unit. After the first assessment, **no credit** will be given.*
- *Hard copy assignments (worksheets and problem sets) will be reviewed on the due date. No late assignments will be accepted.*
- **Warm Ups** – Warm up problems will be given on a regular basis. Your final answers will typically be submitted electronically. Your work and effort will also be used to calculate your grade. Grades will be given weekly
- **ALEKS** - Students will be assigned weekly ALEKS modules focused on Algebra topics. These assignments are designed to strengthen proficiency with algebraic skills that are essential for success in Geometry. Consistent practice through ALEKS will support learning in this course, prepare students for standardized assessments, and reinforce foundational skills needed for future mathematics courses.

Absence Policies:

Students that are absent are expected to contact me to make up all missed work, quizzes, and tests. It is *your* responsibility to find out what you missed and complete the work. It is in your best interest to find out what the assignments are and attempt to complete them at home if possible.

Work assigned before the absence is due the first day you return.

If you know you will be absent ahead of time, see me beforehand so I can give you the work and you will not fall behind. If you are absent during a quiz or test, you will be expected to find a time before or after school to make it up with me within the time allotted by the student handbook. (Two days for each day absent.) Failure to make up missed work of any kind in a timely fashion will result in no points being awarded.

Cheating:

Student(s) caught cheating will receive a “0” for the work. Students who collaborate with others in cheating, by allowing their papers to be copied or by other means, are

subject to the same penalty. Refer to the student handbook for the school policy on academic integrity.

Unauthorized websites:

During online assessments and classwork, you must remain on the assigned site until you have completed the assessment/assignment. If you visit other sites during the assessment/assignment, you will receive a zero on the assessment/assignment.

Per the WRSD student handbook: *While AI has been a fixture in modern life for many years, it has recently become imperative that the high school set expectations and parameters for its use. While traditional forms of AI can be used in a positive manner to increase efficiency, the aim of this new policy is to limit and control the use of generative AI. Generative AI, such as ChatGPT, is able to produce content (written, audio, visual) which bypasses the creative functions of its users. Similar to the school's policy on plagiarism, students at WRHS are responsible for submitting their own work, displaying their own understanding, knowledge and creativity. Like with plagiarism, teachers will be monitoring the use of AI within their classroom and student work. It is the responsibility of the student to prove that AI was not used by showing the evolution of their work through outlines, drafts, editing, proper citations, etc. If the student admits to using AI or cannot sufficiently defend the authenticity of their work, the consequence will be the same as plagiarism.*

Extra Help:

I am more than happy and strongly encourage students to take advantage of extra help sessions. Please contact me via e-mail or in person to schedule a time to set up an appointment.

Final Regards:

I am extremely excited to have all of you in class this year! If there are any other questions or concerns regarding grading, class meetings, or any other issue please do not hesitate to contact me.

Looking forward to a successful and fun year!

-Mr. Berman

****Please complete the Syllabus Quiz and sign off with a parent/guardian****