



Central High School

2024-2025 Geometry: Concepts & Connections

Parts A and B Course Syllabus

Instructors: Joyce Myrick and Susan Bedford

Location: Room 409

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Course Overview:

Students will apply their algebraic and geometric reasoning skills to make sense of problems involving geometry, trigonometry, algebra, probability, and statistics. Students will continue to enhance their analytical geometry and reasoning skills when analyzing and applying a deep understanding of polynomial expressions, proofs, constructions, rigid motions and transformations, similarity, congruence, circles, right triangle trigonometry, geometric measurement, and conditional probability.

Fall Semester – Geometry A		Spring Semester – Geometry B	
Topic	~Time Frame	Topic	~Time Frame
<u>Unit 1</u> : Exploring Polynomial Expressions through Geometry	2-3 weeks	<u>Unit 5</u> : Right Angle Trigonometry	2-3 weeks
<u>Unit 2</u> : Geometric Foundations, Construction, and Proofs	3-4 weeks	<u>Unit 6</u> : Making Sense of Circles	5-6 weeks
<u>Unit 3</u> : Exploring Congruence	4-5 weeks	<u>Unit 7</u> : Modeling with Equations & Measurement	3-4 weeks
<u>Unit 4</u> : Investigating Similarity	4-5 weeks	<u>Unit 8</u> : Investigating Probability and Statistics	6-7 weeks
Semester 1 Exam		Semester 2 Exam	

Attendance:

Attendance is expected. Students should monitor Google Classroom posts and assignments diligently even if off-campus. Every effort will be made to engage students who miss instruction; however, students are also expected to make efforts to stay engaged. As a reminder, students should not disable notifications from Google Classroom. These notifications are sent when materials are posted and an assignment is due or late.

Grading:

Each assignment will fall into one of the two following categories with assigned weight:

Formative: 40%

Examples:

- Warm-up activity
- Vocabulary crossword
- DeltaMath practice assignment

Summative: 60%

Examples:

- Multi-day project
- Section/Topic Quiz
- Unit test

Each semester will end with a final exam which will count as a Summative assignment.

Students will be advised of the category of each assignment and should check Google Classroom REGULARLY to monitor progress. Assignments from Google Classroom will be sent to the Infinite Campus gradebook on a weekly basis. Students are advised to allow notifications from Google Classroom and to habitually check their CCS email account. Parents may monitor category tasks and student averages by accessing the Infinite Campus Parent Portal (see <http://carrollcountyschools.com/parents/resources> for details) and with an invitation from their student to our Google Classroom.

Chromebooks:

Students have been assigned a Chromebook from CHS. Students are responsible to charge the Chromebook each evening and bring the Chromebook to class each day. Because our course will rely heavily upon Google Classrooms, **students failing to bring their assigned, charged Chromebook to class may receive a zero as a Formative score for that day.**

Class Rules and Expectations:

Students are expected to abide by the following:

1. Abide by all district and school rules and policies as described in the Student Handbook.
2. Be respectful toward others and mindful of their needs.
3. Arrive to class on time and be prepared to participate.
4. Strive for excellence in all endeavors.
5. Bring assigned, charged Chromebook to class daily.
6. Follow daily classroom procedures as posted.

Communications:

Families, students, and the instructor should maintain open communications throughout the course by way of email, telephone, conference, and Google Classroom notifications.

<u>Google Classroom Codes</u>
These codes will be posted in our classroom throughout the semester. There will be a different Google Classroom for Semester 1 and Semester 2.
Students are encouraged to invite parents/guardians to our Google Classroom using an email address. Families may instead email the instructor to be sent a link to add a monitoring account.

Tutoring:

Instructor will provide both Face-to-Face and virtual tutoring as needed. Please [email](#) a request for an appointment. Students are encouraged to participate in tutoring sessions regularly rather than waiting until the day before an assessment or until missing assignments have accumulated.

Absences and Make-Up Work:

Students are responsible for obtaining, completing, and submitting missing work. All assignments will be posted on the Google Classroom for easy access and completion. Missing items are marked in Infinite Campus with a score of "M". Students will be trained on properly turning in make-up work due to absence and late work from missing deadlines during the first few days of school. Make-up and late work will be accepted until the end of each mid-unit or unit as scheduled. Make-up work will convert to late work per school policy for all absences including school field trips. Late work may not receive full credit.

Redemption points:

Students are typically given an opportunity to earn correction points following major tests and projects. Students who score a failing grade are offered an opportunity to attempt the test/project a second time. When redeeming a failing grade, students should speak with the instructor privately and received tutoring/reteaching before the attempt. NOTE: The highest score available for a redemption score is 70%. Only one test reattempt per student per semester is allowed.

Supply List

- Pencils (mechanical accepted)
- Multicolored highlighter set of 4 colors
- Notebook paper with optional binder
- Graph paper (if available)
- Personal protractor (for measuring angles)
- Personal compass (for drawing curves and circles)

Students will use Chromebooks to access online tools such as the online desmos graphing calculator. We also have a set of classroom calculators for student use. If students prefer to bring their own calculator, CHS Mathematics Department suggests a TI-30XS Multiview or similar. (The TI-84 Plus series is quite an investment and not necessary for this course.)