



# Central High School

## 2021-2022 Geometry A and B Course Syllabus

Instructor: Joyce Myrick

Co-Teacher: Michael Pharis

Location: Room 734      3<sup>rd</sup> Period: Room 404

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### Course Overview:

Students will develop the tools and understanding required to mathematically prove simple geometric conjectures, explore right triangle trigonometry, circles, and common 3-dimensional volumes, and establish the connections between a figure's geometric and algebraic representations. Lastly students will extend their comprehension of probability to include conditional probabilities and variable independence.

Fall Semester – Geometry A		Spring Semester – Geometry B	
Topic	~Time Frame	Topic	~Time Frame
<u>Unit 1:</u> Transformations in the Coordinate Plane	2-3 weeks	<u>Unit 4:</u> Circles and Volume	6-7 weeks
<u>Unit 2:</u> Similarity, Congruence, and Proofs	9-10 weeks	<u>Unit 5:</u> Geometric and Algebraic Connections	4-5 weeks
<u>Unit 3:</u> Right Triangle Trigonometry	3-4 weeks	<u>Unit 6:</u> Applications of Probability	4-5 weeks

### Attendance:

All courses require attention to attendance and missing work. Geometry is no exception. 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 in one of the three following categories with assigned weight:

- Homework: 30%
- Quizzes: 50%
- Tests: 20%

Students will complete a cumulative assessment each Semester: a MidTerm at the end of Semester 1 and a Final Exam at the end of Semester 2. Both the Mid-Term and Final Exam will count as a Test grade for the Nine Weeks. The Final Exam will cover information from Semester 2 only.

Assignments will be categorized based on the amount of time and work needed for completion. For example, a Warm-Up activity could be counted as a Homework task, a vocabulary crossword as a Quiz task, a presentation or graphing assignment completed over several class sessions may be counted as a Test, etc.

Students will be advised of the category of each assignment to remain motivated for completion and should check the Infinite Campus Student Portal, CCS email account, and Google Classroom REGULARLY to monitor progress and classroom communication.

Parents may monitor category tasks and student averages by accessing the Infinite Campus Parent Portal of (see <http://carrollcountyschools.com/parents/resources> for details).

### **Chromebooks:**

Students have been assigned a Chromebook for the school year. Students are responsible to charge the Chromebook each evening and bring the Chromebook to class each day. Because our courses will rely heavily upon Google Classrooms this school year, **students failing to bring their assigned, charged Chromebook to class may receive a zero as a Homework 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 Chromebook to class daily. Chromebooks should be fully charged each morning.
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 Remind app. Parents and students are invited to join our Remind classroom.

<u>Class Period</u>	<u>Remind Codes</u>	<u>Google Classroom Codes</u>
1 <sup>st</sup> Period	@ myrick1s	qzuj7di
3 <sup>rd</sup> Period	@ myrickph3	e57t52q
7 <sup>th</sup> Period	@ myrickph7	ovvukkh

### **Tutoring:**

Instructor will provide both Face-to-Face and virtual tutoring as needed. Please [email](#) a request for an appointment.

### **Absences and Make-Up Work:**

Students are responsible for obtaining, completing, and submitting missing work. Instructor's responsibility is to post work on the Google Classroom for easy access and completion. Weekly activities will also be posted in the classroom. Missing items are marked in Infinite Campus with a score of "M". Students will be trained on properly turning in make-up work during the first few days of school.

### **Supply List:**

- Pencils (work written in pen may not be accepted)
- Multicolored highlighter set – 4 colors should be fine
- Notebook paper
- Graph paper if available
- Personal protractor (for measuring angles)
- Personal compass (for drawing curves and circles)
- Binder OR method to organize notes and work
- Students will use Chromebooks to access online tools such as calculators. If students prefer to have a tangible calculator, CHS Mathematics Department suggests a Casio *fx-115E Plus*. The TI-84 Plus CE is quite an investment and not necessary for this course.