

**2020-2021 Andover High School**  
**Math Department: Geometry with College Foundations**

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Welcome to Geometry! We are excited for the upcoming year and look forward to supporting each of you the best we can throughout this journey!

**Prerequisite:** Successful completion of all trimesters of Intermediate Algebra.

**Course Description and Expected Learner Outcomes:**

This course is designed to provide students with a hands on approach to geometric concepts. Using the College Preparatory Mathematics (CPM) curriculum, students will develop critical reasoning, apply geometric methods to solve a variety of real world and mathematical problems, and work toward proficiency in making mathematical models. Successful completion of this course prepares students for Advanced Algebra.

**Materials Needed:**

Notebook or 3-ring binder with loose leaf lined paper	Laptop (Chromebook)
Calculator (Scientific or Ti-84)	Earbud
Graph paper (about 50 sheets)	

**Useful Websites:** [www.cpm.org](http://www.cpm.org)

In addition to the support provided by your teacher and your study team, CPM has also created online resources to help you, including help with homework, a parent guide, and extra practice.

Homework Help: <https://homework.cpm.org/cpm-homework/homework/category/CC/textbook/CCG>

Resources: <https://www.bcp.org/sites/default/files/2020-02/cpm%20resources-v2.pdf>

CPM Resources: <https://cpm.org/ccg-additional-resources#tableofcontents>

**Grading:**

Summative and formative exams are graded on the following scale:

A	93% - 100%	C+	77% - 79.99 %	D	63% - 66.99%
A-	90% - 92.99%	C	73% -76.99%	D-	60% - 62.99%
B+	87% - 89.99%	C-	70% - 72.99%	F	0% - 59.99%
B	83% - 86.99%				
B-	80% - 82.99%				

Summative Exams (Unit Tests): 60%  
Formative Exams (Unit Quizzes): 40%

**Assignments and Activities:**

There may be an assignment daily. Responsibility falls on you, the student, to get help right away when concepts are unclear. Don't wait until the last minute to get help. Student homework grade will be calculated into the College Foundation course grade.

**Student Expectations:**

- Students will be required to show each day for class (virtually or hybrid).
- Synchronous Class Session: All students have the opportunity to attend the first 20 minutes of each class period for additional learning opportunities. Attendance will be taken and students are expected to participate in the learning activities. Students will need to log into the class Google Meet.
- Asynchronous Class Session: All students are required to complete daily assignments, lesson videos, formative assessments, and summative assessments. Attendance will be taken and students are expected to participate in the learning activities. Each day will be outlined on the course Google Site: [AndHS Geometry](#)
- Students are responsible for ensuring that they have access to required hardware and internet connection. If there are technology limitations please notify your teacher immediately.

**Formative assessments** Formative assessments are meant to inform students, teachers, and parents about student understanding of a learning target. Because these assessments are taken as students are learning new material, students will be given an opportunity to relearn and retake formative assessments. Grades for these assessments will still be tracked and reported in the gradebook.

**Summative Assessments** Summative assessments will be given to determine mastery of the objectives. The reason why these assessments make up the majority of the grade is because these are the assessments that truly show what the students understand and can do. CPM curriculum spirals during the course, which means learning targets will be assessed multiple times throughout the course. If a student did not meet the learning objectives from a summative exam, remediation packets will be available for students to complete in preparation for the next summative exam where the learning objectives will be reassessed. Academic honesty is expected. A majority of summative exams will be completed on Moodle; the expectation is for students to have all other electronic devices put away while taking an assessment.

**Cell phones:**

*Cell phones should not be visible unless permission has been granted while students are in class.*

**Academic Integrity:**

If a student is found to have cheated on an exam, the parents will be informed and a zero will be given. Parents will be notified.

## 2020-2021 Andover High School Math Department: College Foundations

### **College Foundations - Course Description:**

A three-trimester course of college foundational skills interwoven with the Geometry course. It helps students develop better study skills and habits like organization and quality note-taking. These preparatory skills will increase their probability of success at any post-secondary school they choose to attend. We will also spend time working toward the development of a growth mindset and a continuous improvement attitude whereby students will always be working to improve their math skills - no matter where they are at the moment.

### **Grading:**

Quality Assignments = 30%

Classroom Participation = 30%

Meeting Deadlines = 30%

Academic Reflection = 10%

**Quality Assignments:** Students' focus must shift from "getting it done" to "learning by doing". We will emphasize the process of doing a problem, checking your answer, identifying the mistake (for incorrect solutions), understanding what you did wrong so you can fix it, and trying again.

**Classroom Participation:** students will be evaluated based on their active engagement in class and note taking.

**Meeting Deadlines:** Each assignment will have a specific deadline. Students who do not turn assignments in on time will not get this credit. If a student is absent the day the assignment is given or on the due date, he/she will have extra time to turn in assignments based on the number of days they are absent.

- **Homework** - Homework is expected to be completed daily. All students have online resources to reinforce each lesson on the Google Course Site. No assignments will be accepted (for quality assignment grade) after the day of the summative exam.
- **Assessments** - Students will be notified of assessment days. A majority of these will be on Moodle. Students will be allowed to start the summative exam anytime within their testing window, but every summative exam will have a time limit for completion.

**Academic Reflection:** students will be expected to reflect and write about the factors that went into them receiving a particular score on quizzes and tests. Students will use journal entries or surveys for their reflections. They will also self-assess and reflect upon a plan of attack regarding how to improve on their next quiz/test.

### **Teacher Office Hours:**

7:10am - 7:40am and 2:20pm - 2:50pm

Any communication outside of these office hours will be answered in a timely manner.