Welcome to your Geometry class! This course is the second in a five-year sequence of college preparatory mathematics courses. The course curriculum is aligned with the California Common Core State Standards. It emphasizes several big ideas in an integrated algebra/geometry context. The key concepts addressed in this course are:

- Transformations (reflection, rotation, translation, dilation) and symmetry
- Relationships between figures (such as similarity and congruence)
- Properties of plane figures (such as equal or perpendicular sides or diagonals)
- Measurements of plane figures (such as area, perimeter, and angle measure)
- Measurements of three-dimensional shapes (such as volume and surface area)
- Tools for analyzing and measuring shapes (such as the Pythagorean Theorem, trigonometric ratios, the Laws of Sine and Cosine, and coordinate geometry)
- Investigation and proof (having found patterns, students conjecture and prove)
- Geometric construction (with compass and straightedge)
- Algebra (with substantial review of writing and solving equations and graphing)
- Probability

Football is not learned by silently watching others play. Likewise, the only way you can become good at math is by doing problems and talking about them. If you do both, you will learn math. Hence, you must have the willingness and maturity to study & complete assignments every night. Furthermore, you will find that math is not only useful; it is fun.

Because you will be working in study teams, you are expected to:

- develop your ability to contribute to and benefit from working together in study teams
- bring your textbook or eDevice, calculator and well-organized notebook to class EVERY DAY;
- ask questions of others in your study team when you do not understand; and
- be responsible for understanding all the work all year.

**CULVER CITY HIGH SCHOOL MISSION STATEMENT:**

Culver City High School is an engaged and caring community where diversity is valued and respected. We are committed to educating and inspiring all students to become life-long learners and contributing members of our global society.

**CULVER CITY HIGH SCHOOL BELIEVES:**

1. Each member of our school community plays an integral part in making student success a certainty.
2. That all students are provided the necessary resources and opportunities to become successful Adaptable Problem Solvers, Collaborative Workers, Critical Thinkers, Effective Communicators, Involved Citizens, Quality Producers and Self-Guided Achievers.
3. That all students are immersed in vigorous, standards-based curricula that promote higher level thinking skills.
4. That all students are capable of learning and as such, we educate the whole person providing students the necessary support to achieve their fullest potential.
5. That we value diversity and promote tolerance and espouse understanding and compassion.
6. That the aesthetic value of our campus is an important part of student achievement.

“Learn to Achieve, Achieve to Learn… Tomorrow Starts Today.”

**STUDY TEAMS**

Study Teams are used in this class to learn or to do work, while assessments focus on the individual. Hence, you will be working with a study team on a daily basis. Since study teams are used to learn and do work, it is important that all members are present in body and mind. So, there is an incentive program for good teamwork. Each day the study teams have an opportunity to earn Study Team Bonus Points for attending on time, having materials with them, assignments complete and for study team participation. Each day a study team can earn up to 20 points. Most units are 13 days long. So that is 260 points for an average unit. If all teams in the class reach the goal, in this example the goal might be 240 points, then the class earns a free day to be used as the class wishes, within reason. The class may decide to play music, or have food in class. (Note: The class only gets to have a day away from the norm if all teams reach the goal.) These points are bonus points and are not apart of the academic grade. Teams are randomly selected and are changed each unit.

**ASSIGNMENTS**

Assignments are given every day and are due the following day. Daily assignments should take 1 hour to complete. Normally, some time will be given in class to start the assignments. **Assignments may not be turned in late. NO EXCEPTIONS!!** This late rule doesn’t apply just to daily assignments, but to everything with a due date even if you are excused for sports or an appointment. The only exceptions are made for absences cleared through the Attendance Office for an unplanned absence (illness). A portion of every assignment must be completed in class, while the remaining portion is done at home. All the unit’s assignments are collectively weighted as 10 grades each unit. A single assignment is worth 4 points. On the following day, it is checked and the points recorded on the Assignment Sheet. The Assignment Sheet is kept by the student and turned in at the end of the unit. At this point a grade is assigned that is weighted 10 grades.

(e.g. If you had 27 out of 32 on the assignment sheet, this is 27/32 = 84% or a “B”.)

If you lose your Assignment Sheet, a new one will be issued. However, you have lost all the points previously earned. So, don’t lose your Assignment Sheet. Especially at the end of a unit! If you are absent, the assignment due on your absent day is due the day you return. For assignments given during your absence you have an extension equal to the number of days absent (if the absence was not pre-planned). On days that an assignment is not given, you are expected to study for 1 hour on the topics pertinent to you.

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Mr. Marsh’s Geometry Syllabus

ASSESSMENTS

Tests & Quizzes
There are two types of tests given along with quizzes in this course, Study Team Tests and Individual Tests. You may not use your textbook for tests. However, you may use your 8.5” x 11” yellow Tool Kit page.

Study Team Tests are like a big quiz taken at the end of a unit and are taken with your study team. Study Team Tests are weighted 5 grades while small quizzes are weighted 1 grade. Each unit’s Study Team Test will be administered differently. Sometimes your team will pick the best test to be graded and you will all receive that grade. Other times, the Teacher will randomly select a test to grade or one problem from each student’s test will be graded. So, it is important for your team to read the test directions carefully. If your team talks to another team during the test, both teams will receive an “F”! If you are absent for a Study Team Test, you will be given a date to make up the test by after school with a team composed of others that were absent, possibly from other classes. This is your only opportunity to make up the test and your absence must be cleared by the Attendance Office showing the absence was excused. Without this clearance, your test will be an “F.”

Individual Tests are taken after the Study Team Test and during the next unit. Individual Tests are weighted 15 grades. They are individually taken, so if you talk during the test -- you will receive an “F!” If you are absent for an Individual Test, you will be given a date to make up the test by after school. This is your only opportunity to make up the test and your absence must be cleared by the Attendance Office showing the absence was excused. Without this clearance, your test will be an “F.”

Portfolios
Periodically a Portfolio Assignment is given. This assignment is explained in more detail on another handout. It is due within 1 week of being assigned. It must be done in pen (blue or black ink) or typed, and submitted in a report cover. Not all report covers are created equal, you must have one that holds the papers by having something go through the paper’s holes. This assignment is weighted 10 grades and contains a Summary Section, Problem Section and Reflection Section. It is then kept in your Portfolio in the classroom. A good portfolio is required for passing this class. You may wish to start a rough draft prior to the assignment being assigned. Your Portfolio Assignment is graded as “Well Done,” “Acceptable,” “Revision Needed,” or “Restart.” If you receive a “Revision Needed” or “Restart,” you must redo your assignment and turn it in within 1 week of receiving the grade. Your portfolio is an excellent way to study for tests, but you may NOT use it during the test!

Projects & Labs
Periodically a project or lab will be assigned. The instructions and weight towards your grade will vary for each project.

Presentations
Everyone will be expected to do presentations. Sometimes presentations are with your study team or as an individual. They will be oral or written. Some presentations will count towards your grade while others will count towards Study Team Bonus Points.

NOTEBOOK

It is important that you keep a neat, organized notebook following the Notebook Assignment given. Have this by the due date. It is weighted as 1 grade or quiz. Periodically there will be additional checks on having your notebook organized and materials in class. Your notebook should be a 2-3” hard cover, 3-ring binder devoted solely to this class. The divisions should be Assignment Sheets, Learning Log/Assignments, Math Notes, Learning Log Entries, and Tool Kit.

The Assignment Sheets section is for you to keep all your Assignment Sheets. You should keep your current one on top for quick access for receiving your grade. In addition, keep this syllabus in this section.

The Learning Log/Assignments section is where you keep all of your assignments in order. You are required to do and keep your assignments for the year. A spiral notebook or composition book is recommended since the pages do not tear out easily. A graph paper one is recommended but not required.

The Math Notes section is for recording important information from your text and your teacher. You will find this icon in the textbook to indicate what information should be written in here.

The Learning Log Entries section is for recording information in your own words about important topics. You will find this icon in the textbook to indicate what information should be written in here.

The Tool Kit section is like the yellow pages of a phone book. This is where you will store concise information for quick retrieval. When you need to find a plumber quickly, you use the yellow pages rather than driving around town searching through the storefronts for a plumber. Well, when you're working on a test, you don’t want to be searching through all your Math Notes and Learning Log Entries. Your Tool Kit will be where you write brief information for quick reference. Your Tool Kit must be on 8.5” x 11” yellow paper. You are responsible for providing this yellow paper. On a test, you may use a ONE SHEET Tool Kit. I recommend that you purchase a yellow tablet so you will always have new yellow paper available to revise and consolidate your Tool Kit for each test. You will find this icon in the textbook to indicate recommended information for your Tool Kit.
Mr. Marsh’s Geometry Syllabus

MATERIALS
You will be expected to bring all of the materials listed in the Notebook Assignment with you each day. It would be best if you purchased 3-hole punched 1/4” graph paper or have your spiral notebook/composition book be a graph paper one. While Algebra II students need a graphing calculator (such as a TI-84), Algebra I and Geometry students may purchase this or any scientific calculator (such as a TI-34). If you should forget your calculator, one can be checked out to you for the period in exchange for your ID Card (if available).

EXTRA CREDIT
Extra credit projects may be made available throughout the year for extra credit. Each unit, one student will be selected to be the Teacher’s Assistant. The Teacher’s Assistant will earn extra credit points dependent upon how well they perform their job.

BEHAVIOUR EXPECTATIONS
1. Respect your teachers, classmates and school. Any and all forms of disrespect (including foul language) will not be tolerated.
2. Remain in your seat at all times, unless directed to move by a teacher.
3. Focus your attention on the topic directly related to class lectures/discussions.
4. Be punctual and prepared for class each day (textbooks, notebook, paper, pens/pencils, etc.).
5. Be ready to work when the bell rings and to follow all directions at all times.

DISCIPLINE POLICY
Students must adhere to school rules of conduct appropriate to the activity. If a student behaves inappropriately, they will be given a gentle reminder. Upon the second offense, they will need to serve a 30 minute Teacher Detention during which they will conference with the teacher and complete some odd job around the classroom. If they fail to serve this detention, or the offensive behavior continues, a School Detention will be assigned. The School Detention is 60 minutes long and must be served within 3 days. If this is not served, or the behavior continues; a parent conference will be held and/or the student will be removed from class until a parent conference occurs or the disciplinary action will be turned over to the School Administration. This process is for minor offenses. More severe offenses may result in immediate removal from class, parent conference and disciplinary action by the School Administration. At any step, I may elect to contact your parent with a letter, email, or phone call.

Upon the 3rd tardy in any semester, the student will be assigned a Teacher Detention as described previously. These Teacher Detentions continue for each subsequent tardy (4th, 5th, ...). If the Teacher Detention is not served, it will become a School Detention and the process described previously is in effect. There are TWO passes OR free tardies, if you must ask to leave for any reason or arrive late (first two times), it will count as one of your first two free passes/tardies. (A free pass/tardy means you will not be assigned a detention, but it still counts as a pass/tardy.) You can earn extra credit if you have not used any passes at the end of the semester.

GRADES
It is the student’s responsibility to maintain a record of their grades. You will use your “Grade Record Sheet” for this purpose. With the “Grade Record Sheet” you will be able to calculate your current grade at anytime. Hence, I will not answer the question, “What is my grade now?” Grades are calculated using the GPA (Grade Point Average) method.

On the “Grade Record Sheet” you will fill in your letter grade and the weight factor. You multiply the “Grade Points” by the “weight factor” to determine the number of “Points Earned.” Then you total the column, “Points Earned.” Also, total the column “weight factor” for the grades you received. On a calculator perform the operation on your totals, “Points Earned” ÷ “weight factor.” This decimal number represents your grade as a GPA number.

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
<th>Letter Grade</th>
<th>Grade Points</th>
<th>X weight factor</th>
<th>Points Earned</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/2</td>
<td>Quiz - Unit 3</td>
<td>B</td>
<td>3</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>10/9</td>
<td>Assignment Sheet - Unit 3</td>
<td>A</td>
<td>4</td>
<td>10</td>
<td>40</td>
</tr>
<tr>
<td>10/10</td>
<td>Study Team Test – Unit 3</td>
<td>A</td>
<td>4</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>10/19</td>
<td>Individual Test - Unit 3</td>
<td>C</td>
<td>2</td>
<td>15</td>
<td>30</td>
</tr>
<tr>
<td>10/10</td>
<td>Portfolio Assignment - Unit 3</td>
<td>B</td>
<td>3</td>
<td>10</td>
<td>30</td>
</tr>
</tbody>
</table>

Extra Credit

Points Earned total ÷ weight factor total = Your Grade

41  127

In this example the student’s grade is 127 ÷ 41 = 3.10, which is a “B” on the chart below.

<table>
<thead>
<tr>
<th>Excellent</th>
<th>Good</th>
<th>Adequate</th>
<th>Poor</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+++</td>
<td>3.90</td>
<td>3.30</td>
<td>2.30</td>
</tr>
<tr>
<td>A++</td>
<td>3.80</td>
<td>3.00</td>
<td>2.00</td>
</tr>
<tr>
<td>A+</td>
<td>3.70</td>
<td>2.70</td>
<td>1.70</td>
</tr>
</tbody>
</table>

These are lower cut offs.
INTERNET
There are some resources made available through the Internet. Please go to http://chs.ccusd.org and hover on “About Us” and click on “Staff Directory” to locate my pages in the school website. From here I will post links to other resources, and I will attempt to post all handouts associated with the class, grade updates, class schedule including assignments and tests, and other relevant information. Parents can email me at michealmarsh@ccusd.org. Students, please do not use the email, I will see you in class.

Some sites will require a password, please record those here or in another safe location where you will not forget them.

Student Textbook Online with Help and other resources:

<table>
<thead>
<tr>
<th>Houghton Mifflin Harcourt Geometry</th>
<th>Core Connections Geometry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Username:</td>
<td>Username: gs1</td>
</tr>
<tr>
<td>password:</td>
<td>password: 8437</td>
</tr>
</tbody>
</table>

Study Guide or Parent Guide:
Sometimes students want an alternative explanation of an idea along with additional practice problems. The Parent Guide resources are arranged by chapter and strand. The format of these resources is a brief restatement of the idea, some typical examples, practice problems, and the answers to those problems.

Student Resource Pages (worksheets passed out in class):
https://cpm-educational.squarespace.com/ccg-resource-pages

Página de Recursos (Student Resource Pages in Spanish):
https://cpm-educational.squarespace.com/ccg-pagina-de-recursos

Online Homework Help (problem links embedded in online textbook):
http://homework.cpm.org/cpm-homework/homework/category/CC/textbook/CCG

Desmos Graphing Calculator Support
Desmos Graphing Calculator is a free online calculator for students who want to graph functions, plot tables of data, evaluate equations, explore transformations, and much more!
http://cpm.org/desmos

TI-83 or TI-84 Calculator Support
http://cpm.org/ti-8384

eTools & Videos:
https://cpm-educational.squarespace.com/ccg-e tools-videos

eTool Tutorials:
http://studenthelp.cpm.org/m/ccg

Parent Support Page
http://cpm.org/parent-support/
Mr. Marsh’s Geometry Syllabus

CUT THE BOTTOM OFF & TURN IN TO YOUR TEACHER

Name:_________________________

Period:______

NOTEBOOK ASSIGNMENT

Your notebook will be the only written record of what you’ve done in the course and will be the chief way to study for tests, so take good care of it. **AND KEEP IT ORGANIZED!!!!**

Follow the checklist below. Put a check in front of each item when you have completed it.

- Spiral notebook/composition book to do your daily assignments in. It should have lined or graph paper that is 3-hole punched to fit in your binder.
- Yellow 8.5” x 11” paper, such as a yellow tablet to use for your tool kit.
- STURDY 3-ring binder (2-3” thick) with a rigid cover. You also need:
  - A scientific calculator for Algebra I & Geometry (such as a TI-34) OR a graphing calculator for Algebra II (such as a TI-84)
  - 1/4” Graph paper, preferably 3-hole punched (You can skip this if spiral notebook/composition book is graph paper)
  - A ruler with centimeters and inches
  - Pencils and erasers, and two or three colored pencils
- Clearly label the OUTSIDE cover of your binder and spiral notebook with your name.
- In clear large print, label the INSIDE FRONT COVER of your binder with (or your own):
  - Your Name
  - Mr. Marsh, Room 122
  - Culver City High School
  - 4401 Elenda St., Culver City, CA 90230
  - 310-842-4200
- Make dividers (you may cut these labels out, but use tape to hold them in) for your binder to separate it into the 5 sections given below.
- Turn this sheet in to your teacher when you have completed the Notebook Assignment. **BE SURE ONE OF YOUR PARENTS HAVE SIGNED IT!!!!!!** Place the syllabus in the assignment sheets section of your notebook. **KEEP IT!!**

Notebook Dividers Labels:

<table>
<thead>
<tr>
<th>Assignment Sheets</th>
<th>Assignment Sheets</th>
</tr>
</thead>
<tbody>
<tr>
<td>Learning Log</td>
<td>Learning Log</td>
</tr>
<tr>
<td>/Assignments</td>
<td>/Assignments</td>
</tr>
<tr>
<td>Math Notes</td>
<td>Math Notes</td>
</tr>
<tr>
<td>Learning Log Entries</td>
<td>Learning Log Entries</td>
</tr>
<tr>
<td>Tool Kit</td>
<td>Tool Kit</td>
</tr>
</tbody>
</table>

SYLLABUS ACKNOWLEDGEMENT:

My parents and I have reviewed the class syllabus for Geometry. I clearly understand the syllabus and will abide by it. My parents have also typed their contact information for Mr. Marsh in the form at this link:

[http://goo.gl/forms/0zKEvPCY3m](http://goo.gl/forms/0zKEvPCY3m)

Parent’s signature ___________________________ Date_________________

I acknowledge reading the syllabus and completing the online parent contact information.

Student’s signature ___________________________ Date_________________

I acknowledge reading the syllabus and gathering the materials for class.

Print Student’s name ___________________________ Period_______

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