

LONG BRANCH HIGH SCHOOL  
GEOMETRY COURSE INFORMATION

**Instructor:** Mrs. Cristina Ward  
**Room:** 407  
**Email:** [cward@longbranch.k12.nj.us](mailto:cward@longbranch.k12.nj.us)

**Expectations:**

1. This classroom is a safe space.
2. Show respect.
3. Be in class, on time.
4. Be prepared.
5. Limit distractions. Phones will be collected at the beginning of each class, according to seat number.
6. Be present – you get out what you put in.

\*We will discuss the parameters of these expectations on the first few days of school.

**Consequences:**

1. Warning/Reminder
2. Teacher Detention and Parent Phone Call
3. Referral
4. School Detention, ISS, etc.

**Course Overview:** The fundamental purpose of the Geometry course is to introduce students to formal geometric proofs and the study of plane figures, culminating in the study of right-triangle trigonometry and circles. Students begin to formally prove results about the geometry of the plane by using previously defined terms and notions. The correspondence between the plane and the Cartesian coordinate system is explored when students connect algebra concepts with geometry concepts. Students explore probability concepts and use probability in real-world situations. The major mathematical ideas in the Geometry course include geometric transformations, proving geometric theorems, congruence and similarity, analytic geometry, right-triangle trigonometry, and probability.

**Topics:**

Unit #	Unit Name	Major Topics Discussed
1	Congruence, Proofs, and Constructions	<ul style="list-style-type: none"><li>• Chapter 1 Basics of Geometry</li><li>• Chapter 4 Transformations</li><li>• Chapter 2 Reasoning and Proofs</li><li>• Chapter 3 Parallel and Perpendicular Lines</li><li>• Chapter 5 Congruent Triangles</li><li>• Chapter 6 Relationships Within Triangles?</li></ul>
2	Similarity, Proofs, and Trigonometry	<ul style="list-style-type: none"><li>• Chapter 8 Similarity</li><li>• Chapter 9 Right Triangles and Trigonometry</li></ul>
3	Circles	<ul style="list-style-type: none"><li>• Chapter 10 Circles</li></ul>
4	Geometric Modeling	<ul style="list-style-type: none"><li>• Chapter 7 Quadrilaterals and Other Polygons</li><li>• Chapter 11 Circumference, Area, and Volume</li></ul>
5	Applications of Probability	<ul style="list-style-type: none"><li>• Chapter 12 Probability</li></ul>

**Textbook:** (2019) *Big Ideas MATH: Geometry* Larson and Boswell

Access the digital book through class link. Many assignments will be given through Big Ideas.

LONG BRANCH HIGH SCHOOL  
GEOMETRY COURSE INFORMATION

- Class**                   • Pencils with erasers
- Supplies:**           • 3-ring binder with loose-leaf for only Geometry work
- School issued Chromebook, charged
- Suggested to download the Calculate84 app on your phone for home use.

**Calculator:** Each day, please put your phone up and take one of the class calculators based on your assigned seat number. You are responsible for your calculator. They must be returned at the conclusion of each class.

**Attendance Policy:** If a student is absent, **THE STUDENT** is responsible for looking at Google Classroom to see what was missed. Since math topics build on one another, it is imperative students email or meet with the teacher during SAP as soon as possible to make up work. **Students absent during a test or quiz should be prepared to take it immediately upon return.** Leaving class to use the bathroom or see a nurse should be quick and infrequently done to avoid missing course work. Please ask the teacher when you need to do so.

**Grading Policy:** Each marking period is worth 25% of the final course grade. Assignments are grouped into categories and will be clearly noted.

**Level 1 – 20%**   **Do Nows, Exit Slips, Check Ins, Homework**

**Level 2 – 30%**   **Quizzes, Projects, Homework, Classwork**

**Level 3 – 50%**   **Mastery Tasks, Major Unit Tests, Projects, Midterm (MP2) and Final (MP4)**

**Homework:** Homework provides the student with the opportunity to practice and reinforce skills, and it will be assigned **FREQUENTLY**. Homework may be graded based on completion or accuracy depending on the assignment. **NO WORK – NO CREDIT.** Students are expected to correct homework problems as they are reviewed in class.

**Google Classroom:** Students are expected to participate in google classroom on a daily basis. Daily work, links to assessments, homework assignments, study guides, answer keys, resources, etc. will be posted. Use the “classwork” tab to find these assignments. Parents will have access to google classroom as a “guardian.”

**Genesis:** Please check Genesis regularly to note your course grade and missing work. **A “M” in Genesis indicates missing work that needs to be made up and averages into the grade as a “0” on the assignment.** Until the work is made up, it may drastically decrease your grade in the course. **A “0” indicates the assignment was not completed and may not be made up.** Please keep track of school cut off dates if work is not completed on time.

**Extra Help (SAP):** I am available Monday and Thursday during SAP period. Please make an appointment with me if you expect to attend. Do not wait until the day before a test to attend!

*I have read the course syllabus for Mrs. Ward’s class and I understand the expectations and requirements. I understand the rules and policies set forth in the student handbook are also applicable in this course.*

Student Signature:

Date: