

# Legacy High School

## A Global Studies School



### Course Expectations *GEOMETRY HONORS*

2018-2019

#### **Instructor: TRACY R. GOBLE**

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#### **Course Scope:**

This one-year course provides a rigorous study of Euclidean Geometry for the more advanced mathematics student. Emphasis is on the development of logical reasoning, through techniques of proofs and constructions, geometric concepts, and algebraic applications. Students will extend their ability to make mathematical connections through problem solving. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. The use of mathematical tools and technology, including calculators and computer software, is an integral part of this course. This course will fulfill one of the mathematics credits required for high school graduation.

#### **Course Goals:**

1. To understand and use the mathematical vocabulary and notation specific to geometry. [NS: B]
2. To develop the ability to reason and communicate mathematically in order to apply learned concepts to new problem-solving situations. [NS: A, B, C, 2.12.2, 3.12.5, 4.12.5, 4.12.6, 4.12.7]
3. To analyze and solve problems using inductive and deductive methods of reasoning. [NS: A, C, 4.12.5, 4.12.6, 4.12.7, 4.12.8, 4.12.9]

4. To explore connections among geometric and algebraic concepts, and the physical world. [NS: D, 1.12.7, 2.12.3, 2.12.4, 2.12.5, 2.12.6, 3.12.5, 4.12.1, 4.12.2]
5. To construct and analyze informal and formal proofs of mathematical conjectures. [NS: A, C, 4.12.5, 4.12.6, 4.12.7, 4.12.9]
6. To discover and validate geometric conjectures and properties by construction, coordinate geometry, and transformational geometry. [NS: C, 3.12.3, 4.12.8]
7. To formulate and solve problems using geometric concepts and algebraic techniques. [NS: A, 1.12.7, 1.12.8, 2.12.2, 2.12.3, 2.12.4, 2.12.5, 2.12.6, 4.12.1, 4.12.2]
8. To understand and apply the relationships among similar and/or congruent polygons. [NS: 4.8.2, 4.8.3, 4.12.2]
9. To solve problems using the properties of right triangles and their applications. [NS: A, D, 4.8.7, 4.12.2, 4.12.7]

### **Textbooks**

The following text(s) will be utilized in this course:

Houghton Mifflin Harcourt Geometry  
Kanold, Burger, Dixon, Larson, Leinwand 2015

### **Student Supplies**

Students are expected to have and maintain the following supplies all year: Houghton Mifflin Harcourt Geometry textbook covered or left safely at home, some kind of binder (dividers for math would be great – notes, assignments, tests/quizzes), adequate paper supply, pens/pencils, protractor, and compass. Optional materials include ruler, colored pens/pencils, highlighters, and a calculator (TI-30 recommended).

### **Tardy Policy**

Tardiness is a serious disruption to the educational program. Every student is required to be in his/her seat when the tardy bell rings. With that in mind, the Legacy High School Tardy Policy will be strictly enforced. On the first and second tardy, the student will be warned; on the third tardy, the parent will be contacted; on the fourth tardy, a detention will be assigned; on the fifth and all subsequent tardies, the student will be sent to the deans' office and placed on a Required Parent Conference.

## Grading Policy

- Grading Scale: 89.5% - 100%     A  
79.5% - 89.4%     B  
69.5% - 79.4%     C  
59.5% - 69.4%     D  
Below 59.5%     F

This class offers many opportunities for grading each day. It is harder for a student to consciously fail than to pass due to the amount of materials graded. There will be some form of graded material each day, whether it be in the form of a test, quiz, homework, classwork, warm-up/cool-down, participation, notebook check, or project.

Rounding: The grade book in this class rounds each average to the tenth. If a student ends up with a 79.4%, for example, he or she will get a C on the report card. If he or she ends up with a 79.5%, the grade will be a B. That is the cutoff. No exceptions.

1. **TESTS:** All tests are closed book and cumulative. They will take place at the end of each unit and possibly in the middle of some units. It is the student's responsibility to take appropriate notes, come in for help, ask questions in class, and study for each exam. None of the tests are surprises. Some tests may allow for the use of a notebook, so it is critical that all students bring their notebook to class every day. Each test is preceded by a practice test *similar* to the actual test. Practice tests count for 10% of the actual test grade and must be turned in on test day complete. No late practice tests will be allowed. Practice tests are graded as follows: 10 (every problem attempted with ALL work shown on each, 7 (very few problems incomplete or missing), 5 (at least half complete), or 0 (never turned in when collected or missing more than half the work/problems).

*There are no retakes for any tests.* In the event that extra time is allowed for the completion of a test, only those students working diligently for the entire testing period will be given that extra time. Students with heads down or not working on exam for whatever reason will have their tests graded the first testing day. They will not be granted extra time. Students who are granted extra time for a test cannot use notes of any kind during that extra time. Also, any student caught with a phone, earbuds, or any other electronic device during a test (or quiz) will receive a 0% with no retake.

Tests make-up 55% of the student's quarter grade.

2. **QUIZZES:** Quizzes will not be announced. Many are timed. They include notebook questions, homework questions, general questions, or journal questions (higher-level thinking). Quizzes also assess basics and vocabulary. Quizzes will often be open-notebook, so it is imperative that each student brings all of his or her materials every day. If an open-book or open-notebook quiz is administered, and the student does not have his or her book/notebook, that student will receive a 0% for the quiz. Locker passes will not be granted, nor will the sharing of materials. If a student is absent on quiz day, he or she has 3 days to make it up. Otherwise, a grade of 0% remains in the grade book. No exceptions. *No retakes on quizzes.*

Quizzes make-up 10% of the student's quarter grade.

3. **ASSIGNMENTS:** Assignments include homework, signed course expectations, signed progress reports, and classwork. Homework and classwork are graded according to the number of problems completed with all work shown (out of the total number of problems assigned). For example, let's say that an assignment has 17 problems, and the student shows all work for 5 of them. That student would get a grade of 5/17 or 29% on that particular assignment. Students grade their own work during class discussion of the assignment. The teacher then scans the papers for all work shown, neatness, and understanding. If a paper does not have all work shown (**including all pictures relevant to that section**), or has little to no resemblance to the correct work/answers for that particular topic, the paper will be downgraded or possibly returned to the student for a re-do.

No homework will be accepted after a unit has closed and the exam has been taken for that chapter. Other late assignments (within the boundaries of the unit) will lose 10% each calendar day that they are late for a maximum penalty of 50% off the original value of the assignment. When a student is absent, he or she has 3 days to get the assignments turned in for the chance at full credit. With the help of Infinite Campus, student agendas, and assignment calendars in the classroom, missed work should be easy to find. Plan to have homework every night. It is rare for this class not to have homework. \*\*With that in mind, a generous quarter gift will be given to any students with a 100% homework average.

All assignments make-up 25% of the student's quarter grade.

NOTE: ALL STUDENTS ARE EXPECTED TO WORK ON EACH AND EVERY ASSIGNMENT INDIVIDUALLY. "WE WORKED ON THIS TOGETHER" IS NOT AN ACCEPTABLE STATEMENT IN THIS CLASS. NO PARTNER OR GROUP ASSIGNMENTS ALLOWED UNLESS SPECIFIED BY THE TEACHER.

**Replacement Assignments:** Once in a while, I come up with additional worksheets or book assignments on top of the ones given in class. These are usually more difficult. If a student chooses to work on a replacement assignment, he or she can earn 75% of the original assignment's value. Replacement assignments must be complete with every problem worked out neatly for that 75%. No other score will be granted for these. Also, once the deadline passes for replacement assignments, no other papers will be accepted for credit. These assignments are rare, and are not to be relied upon. If too many students turn in replacements rather than originals, the replacements will be eliminated for the year.

**4. PARTICIPATION:** There are three main factors which make-up this grade. They are warm-ups/cool-downs, notebook checks, and classroom behavior.

At the start of each class, each student will take a warm-up. It will consist of 1 to 2 standardized test questions and the Basics Board. The basics board contains 2 numbers, variables, expressions, etc. which will be added, subtracted, multiplied, and divided. About 5-7 minutes will be designated at the start of each class for the completion of the warm-up. Warm-ups will be graded as 0-6, depending on the number of parts answered correctly. *Tardy students will get a 0% on the warm-up, even if they are in class for part of it.* Then, at the end of each period, the students may also be assigned a cool-down to assess understanding that day. Cool-downs are graded the same way as warm-ups.

Notebook checks will be random. They may or may not be announced. They are graded on neatness and completion. No photo copies accepted as part of a notebook check.

In addition to the warm-up, cool-down, and notebook checks, students will be given a participation grade of 0%-100% on days when new material is being presented or the students have some form of activity and participation is critical. Participation grades will not be given on test days for example. On lecture/activity days, every student will begin with a 100%. Ten percentage points will be removed each and every time one of the following violations occurs: talking, getting out of seat without permission, leaving the room for any reason, having head down, being late to class, having phone/earbuds/other electronic device out, or any other indication that that student is off task. *If a phone/earbuds are seen after one warning, that student will be required to hand over the nuisance item and will get a 0% participation grade that day. The confiscated item will be returned at end of period (first occurrence), then sent to the dean's office (second+ occurrence).* **Parents will be notified of missing participation points through Infinite Campus.**

Lost participation points cannot be made up.  
Participation makes up 10% of the student's quarter grade.

**Sub Days:** There will be days when a substitute is needed. On these days, students are expected to be respectful, complete all work, and behave better than they have in their lives! All work, participation, etc. on sub days counts for a minimum of a quiz score. Any student who does not comply with a sub will receive a 0% for the day(s).

**Extra Credit:** There will be many opportunities for extra credit in this class. However, extra credit must be earned. It does have a due date. Once the due date passes, the extra credit will no longer be accepted. Some extra credit goes into the grade book immediately, but most extra credit goes in at the end of the quarter. Extra credit in the form of worksheets, projects, book work, etc. is not to be expected. It is called, “extra” for a reason and will be stopped for the year if it becomes an issue. No exceptions.

The easiest way to earn extra credit during the year is to become a member of the Marvelous Mathematician Club. If a student earns 10 points in one quarter, that student gets an extra test of 100% added to the grade book. Points above the 10 add to that score. Teacher has details in class.

**Citizenship:** In addition to letter grades, Clark County School District uses citizenship grades on each report card.

“O” is awarded to those students who display exemplary effort, class participation, punctuality, and answering of questions.

“S” is awarded to those who conform to classroom expectations, come to class on time, and do not distract others.

“U” is given to students who do not conform to class rules. A “U” may be given for any of the following reasons: a. excessive tardies b. unpreparedness in class c. use of inappropriate language d. disruptive/unsettling behavior e. failure to complete assignments in class or at home f. disrespect toward self, teacher, or peers

“N” is given to students who need improvement with any of the above mentioned issues.

- Semester Grades: 45% Quarter 1/3 Grade  
45% Quarter 2/4 Grade  
10% Semester Examination

This class conforms to the standards of preparation set forth by Legacy High School. That said, any and all sloppy work, assignments without full work shown, assignments with unacceptable grammar, spelling, etc. will be returned to the student and given grades of 0%. High school is a stepping ground for college and the workplace. Emphasis will be placed on the professionalism of each student and his/her work.

### **Make-up Work, Late Work, and Attendance**

Make-up procedures-

Any missed test must be completed by the student after school or during class. It is the student’s responsibility to set up a time with the teacher for completion of what was missed. All make-up exams must be completed prior to the next exam. No exceptions will be made. A test which is not made up will receive a grade of 0%.

Make-up exams are not the same as the original exam given in class. Quizzes and all other assignments must be made up within 3 days of the student’s return to school.

**Hours of availability:** I will be available every day after school until 2:00 pm unless I have a conference or other important situation that prevents me from staying. I do keep a daily calendar and encourage all students to check in with me if they need special assistance. I am happy to tutor anyone who shows an honest effort in class, but still needs some individual help. I will not stay after for students who choose to do nothing in class, and then expect one-on-one attention from me. In the event I need to be away from my classroom after school on a particular day, I will write this on my door for all students to see and/or tell the class.

### **Attendance**

After the seventh unexcused absence, students will be denied credit and will receive an “F” for the course.

### **Classroom Behavior Expectations**

- Classroom Behavioral Expectations

#### *MUTUAL COURTESY/MUTUAL RESPECT*

I HAVE THE RIGHT TO TEACH, AND OTHER STUDENTS HAVE THE RIGHT TO LEARN. THEREFORE, ANYTHING DONE TO INTERFERE WITH THIS PROCESS WILL BE CONSIDERED A DISCIPLINE PROBLEM.

- The following are basic guidelines for class. All specific rules are posted in the room.
  1. Respect others and their property. Respect the school and classroom.
  2. Be in assigned seat before the tardy bell rings, and remain there unless otherwise instructed.
  3. Remain on task throughout the period. Do not talk during the lesson.
  4. Bring all materials daily.
  5. Refrain from yelling and/or using obscene language.

ALL RULES FOR LEGACY HIGH SCHOOL WILL BE ENFORCED IN THIS CLASSROOM. For example, no food, drink, gum, electronic devices allowed in the room. A 30-minute tardy = one absence. No corridor pass will be issued unless an emergency. Care of school and personal property is expected.

When rules are broken, the consequences are as follows: a. teacher warning and possible change of seat b. 2nd warning and detention slip set on desk c. detention assigned (must be served within 24 hours for 30 minutes before or after school) and parent contacted d. referral to counselor/dean

(If an incident occurs which calls for the immediate removal of a student, the above steps will not take place. Instead, the student will be sent to the dean with a referral.)

**Scholastic Dishonesty:** If there is evidence of any dishonesty (i.e. copying from others, use of a textbook/calculator/computer on work that doesn't allow them, talking during a test, quiz, or warm-up, or using unauthorized notes during an exam), the student will not receive credit for the assignment and will be sent to the dean. Students who turn in shared work as their own will not receive credit either. This policy is also enforced upon the student who allowed the scholastic dishonesty to take place.

**Note:** An extremely important concept in this class is, **“NO WORK = NO CREDIT.”** This applies to any and all assignments, tests, quizzes, etc. If a paper contains answers only, that paper is garbage and will receive a 0%. Even if a problem can be worked out in a student's head, the steps for that problem need to be written out. I cannot read inside anyone's brain. I can however read what is in front of me on paper. (Keep in mind, it is easy to find and fix mistakes when they are written out.)

- Additional Resources: A useful website for extra help, worksheets, practice exams, etc. is [www.rpdp.net](http://www.rpdp.net)

**Please complete this page, remove from packet and return to school by September 12, 2018.**

## Acknowledgement of Course Expectations *GEOMETRY HONORS*

We have read and discussed the course description and expectations.

_____	_____
Student's name [last, first]	Student's Signature
_____	_____
Parent Name	Parent Signature
_____	_____
Work phone	Cell phone

Email Address: \_\_\_\_\_

## Electronic Textbook

If my child's course has an electronic version of the textbook, that can be accessed at home through the internet, I am giving permission to not check out a text book for this course. I have internet access at home to use the electronic version.

**Note: Not all classes offer an electronic version and a textbook will be checked out to the student.**

Parent Signature: \_\_\_\_\_