

Geometry Syllabus
School Year 2018-2019

Mrs. Lackie

Room W111

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About the Teacher

I grew up north of Detroit, MI. I graduated from Spring Arbor University. This is my sixth year of teaching, but 5th year of math! My pet peeve is when students say, "I'm not the only one." Take responsibility for your actions and accept the consequences. If you disagree with something the teacher does in class, wait until an appropriate time to talk about it with the teacher. We're going to have a great year if you are respectful and try your best!

Geometry **Prerequisite:** successful Algebra I (>60% or D-) **Recommended Grade Level:** 10th

Description: This course fulfills the MMC Geometry requirement. In this course, students explore complex geometric situations and deepen their explanations of geometric relationships, presenting and hearing formal mathematical arguments. Students will study major topics of mathematics outlined by the Common Core State Standards including: congruence of triangles based on rigid motions; similarity of triangles based on dilations and proportional reasoning; applications of circumference, area, and volume formulas; applications of Pythagorean Theorem to the coordinate plane; basic geometric theorems; and probability. A student will receive one math credit upon successful completion of this course.

Course Objectives

- To develop analytical skills – clear thinking, attention to detail, ability to follow complex reasoning, ability to understand and construct logical arguments
- To improve communication skills – ability to answer questions clearly and to communicate an argument precisely and logically, both orally and in written form
- To expand problem-solving skills – being able to present a solution clearly, take a flexible approach, tackle a problem with confidence and appreciate when to seek help
- To explain and appreciate our environment

Units

1: Tools of Geometry	2: Angles & Lines	3: Transformations	4: Congruence
5: Similarity	6: Right Triangles	7: General Triangles	8: Parallelograms
9: Circles	10: 3D Shapes	11: Geometric Modeling	12: Probability

Attendance Policy

Consistent attendance is required for this class. Mathematical concepts build upon previous material. Thus, it is essential that students attend class **every day** and keep up with all assignments. School attendance policy will be followed. If you are absent from class, check the calendar to:

1. Copy down assigned problems & determine which handouts to ask for and notes to borrow.
2. Turn in any work that was collected.
3. Arrange to make up a quiz/test immediately upon your return (YOUR responsibility).

Tardy Policy

Arrive to class on time. Extra time will not be given if you miss the opening review assignment; you will only be allowed to make the assignment up during after school tutoring.

Supplies

Students are to bring to class **every day**:

- Lined notebook/paper & folder for notes and assignments FROM THIS CLASS ONLY
- 2 pencils, eraser, & sharpener **NOT** pen (assignments in pen will be redone)
- Agenda

Mission Statement
To provide a safe atmosphere of academic excellence that promotes thinkers and problem solvers who work cooperatively, with respect, in an inclusive environment.

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Optional Supplies:

- Graph paper (one package or graph paper notebook)
- Scientific or graphing calculator (classroom calculators are also assigned– my # is _____)
- Compass, ruler, protractor, scissors (for constructions or some notes/activities in class)

Grade Categories

Homework (10 pts each): Homework will be assigned on a daily basis. Homework is one way to measure if you understand the material you are studying. **Copying homework means you understand how to copy.** You can expect between 10 and 15 problems or between 45 minutes and 1 hour of homework.

1. You will be given 10 points for each homework assignment completed on time (a checkmark).
2. Homework that does not include work, all the problems, or is late will not receive full credit.

We will usually check homework in class. Homework is helpful as *practice* if you understand it. It's also helpful to show you what *questions* you still have after a lesson, so check your answers and ask those questions!

Class Activities (10 pts each): This is any work we do in class (note-taking, practice problems, partner/group work, exit tickets, etc). Many of these can be re-done for half or even full points back for a limited time.

Quizzes (50 pts each): Quizzes are given about once a week to see if you understand the material or not. Make sure you show work – I require it since it's the easiest way to show that you really know the material. No work = no credit for the problem. *Quiz corrections can be made with me for *half points back* after it is returned. If you want higher, do it right the first time! If you are absent only on quiz day, you'll take the quiz the day you return to school.

SAT Formula Quizzes: To familiarize you with the formulas you will use on the SAT test, we will take a Quiz every 2 weeks, complete do now problems, and fill in exit tickets. These encourage repetitive writing and use of the formulas. By 4th quarter, you must get TWO scores of 80% to be exempt from taking the SAT formulas quizzes.

Tests (100 pts each): Tests will normally be given over one chapter or unit. Again, make sure to show work! Test grades are **PERMANENT**. If you are absent *only* on a test day, you will take a **MAKE-UP** test the day you return to school. It will be expected that you will be prepared for the test.

Mid-Term/Final Exam (20% of semester grade): Spend ALL SEMESTER studying the material and staying on pace with your classmates so that you will do well on this test. Our class review is **not** enough for everyone. If you don't understand something, get help *during the semester* so you don't have to worry about re-taking the class!

Standardized/ NWEA Tests: We will be preparing for various standardized tests, including NWEA 3 times a year. This is an adaptive test that will help teachers understand how you are progressing during the school year. We will also complete 3 Benchmark assessments (like quarter exams) on computers using Focus Point.

Participation: I expect you to be in your chair ready to start your Do Now questions (2 pts = approx. 10 pts/wk) **before** the class starts, bring your materials, ask/answer questions, and complete assigned work.

Late Work Policy: No late work will be accepted after the test over the material and will not be given full credit! It is your responsibility to get make-up assignments for the day you were absent **and remember to turn them in!**

Extra Credit Policy: There may be bonus questions on tests or quizzes; however, this is not a guarantee. In this class, your grade must be earned. There will be no extra credit assignments given simply to raise your grade.

School Grading Scale: Each semester grade is 40% Qtr 1, 40% Qtr 2 and 20% Final Exam

A	93-100	B-	80-82	D+	67-69
A-	90-92	C+	77-79	D	63-66
B+	87-89	C	73-76	D-	60-62
B	83-86	C-	70-72	F	Below 60

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Class Rules (To be completed the first day of class)

1. _____
2. _____
3. _____
4. _____
5. _____

Discipline Policy

1. Warning – The student will be warned their behavior is in violation of classroom rules.
2. Teacher intervention – For any second violation of appropriate classroom behavior, the student will receive consequences within the classroom (relocation of the student’s seat, a conversation with Mrs. Lackie, etc).
3. Detention – A third violation will result in a detention the following day with Mrs. Lackie.
4. Referral – The student will be removed from class.

I expect all students to follow the class rules and procedures. Our **class work** is to have top priority during class time. Cheating and copying are not allowed.

Technology in Class

1. **Graphing Calculators:** We will sometimes use TI-84 calculators. It is the student’s responsibility to use their assigned calculator appropriately (do not use your pencil to press buttons, etc) and then return it to the correct pocket of the organizer at the end of the class.
2. **Cell Phones:** Cell phones are not to be used in this class. Tell your parents and friends to call/text you outside of class times. Check your social media and play games during lunch.

Hall Passes

Our class time is IMPORTANT. The only reason you may leave during class is a dire EMERGENCY. There will be no passes to go to your locker. A limited number of passes will be allowed for students to use for emergencies each quarter. Abuse of hall passes will be reported to other adults.

What Students Can Expect From Me

As a student, you can expect that I will come to class prepared with a lesson or activity each day. PowerSchool will be updated weekly, so you can track your success in my class. I will respect you as a valued individual. I will show patience when answering valid questions and will provide extra help every day from 3:00 – 3:30 or by appointment.

Everything on this syllabus is subject to change during the year. The teacher will let students know of the changes.

Please sign and return the bottom portion of the page by Monday, September 10th, 2018.

I have read this syllabus. I know what materials are needed every day. I understand the grade distribution and school work policies. I know I must work hard to earn my grade. I understand the expectations being placed on me in this course. I am willing to cooperate with Mrs. Lackie in order to ensure my success in Geometry this year.

Printed Student Name Student Signature Section Date

Firma/ Parent Signature Correo Electronico / E-mail Date

Si usted provee su correo, puedo mandarle las noticias que comparto con su estudiante. / If you provide your e-mail, I can send the same news to you that I tell your student.