Geometry Syllabus

Instructor

Mr. Robinson

Phone

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Email

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Location

RM#318

Erie High School

Special Help

Every Wednesday

3:40 PM – 4:20 PM

RM#318

Course Overview

Geometry is an advanced math class that uses arithmetic and algebra to explain space, shapes, and configurations. You will look for symmetry as you analyze a variety of geometric objects and find consistent relationships through testing and reasoning. The activities you will experience during this course will help you formally and concretely prove whether certain conjectures about shapes are true. This topic is inherently visual, and you will frequently sketch, construct, and measure objects to help you learn and understand their nature.

This year you will use what you've learned in previous math classes to study:

- Algebra Connections to Geometry through the Number Line and Coordinate Plane
- Constructions and Proof of Congruence in Plane Space
- Trigonometry and Proof of Similarity in Plane Space
- Shapes in Three-Dimensional Space
- Circles with & without Coordinates
- Transformations of Shapes

Required Text(s)

GEOMETRY, *Prentice Hall Mathematics 2004*

Course Material and Supplies

Most materials will be provided for you, but you'll need to get these items yourself and bring them to class everyday:

- 3-Ring Binder with College Ruled Loose Leaf Paper
- Sharpened Pencils or a Mechanical Pencil
- Scientific or Graphing Calculator
- Ruler, Protractor, Compass, Scissors, Graph Paper

Resources

The following resources are available to help you during the school year:

- My Teacher Website (https://www.eriesd.org/Page/5837)
- Khan Academy (khanacademy.org)

Grading

You will earn your grade by completing a variety of assignments like:

- Written responses to warmup exercises (called "Do Nows")
- Written responses to exit exercises (called "TOD's")
- Pair and Group work during class time
- Discussion responses during class time
- Presentations, Tests, Quizzes, Homework, and General Participation

DO NOT ASK ME ABOUT YOUR GRADE DURING CLASS TIME.

- It is your responsibility to keep track of your own grade. Check the Infinite Campus Web Portal FREQUENTLY, as well as my teacher webpage.
- If you have a question or concern about your grade, make an appointment to meet with me. I can be available during my prep period, after school, or before school.
- Scores for daily work like "Do Nows", participation, and classwork will be updated in Infinite Campus by the end of each day. Scores for Homework and "TODs" will be entered weekly. Test and Quiz scores should be entered weekly as well but may occasionally take longer.

GRADING SCALE (%)

A: 100 – 90	B: 89 – 80	C: 79 – 70	D: 69 – 65	F: 64 →

QUARTER GRADE CALCULATION (%)

Tests and Quizzes	Do Nows, Mini Quizzes, TOD's	Classwork	Homework	Class Participation
65	15	10	5	5

Your FINAL GRADE for the year will be your AVERAGE QUARTER GRADE.

Assignments

- All homework assignments are due at the beginning of the period (when the tardy bell rings).
- No credit for work submitted on spiral bound notebook paper (jagged edges/scraps).
- All work submitted for credit must be completed in pencil unless you are directed otherwise.
- Write neatly and legibly. No credit will be given for work I cannot read.
- Use the correct heading for all homework assignments:

GEO	Date
Name	Block-Period
Textbook Page Number and Assigned Problem Numbers Listed	

Failure to follow these guidelines will result in a lowered grade.

Assignments (continued…)

Projects and other large assignments (work assigned at least two days in advance) will be due on time (at the beginning of the period) whether you are present or not. *You* must make arrangements to get the assignment to me when it is due.

If you are ill or cannot attend school for any reason on the day the assignment is due, get your assignment time-stamped by the attendance office at or before 8:45 AM on the due date and have it delivered to my mailbox in the main office.

FAILURE TO TURN IN ASSIGNMENTS ON TIME WILL RESULT IN A ZERO SCORE. PERIOD.

(Hint: DON'T wait until the last minute to complete your homework or project!) Use a planner or the calendar on your phone to keep track of due dates for assignments. Or refer to the assignments calendar on my Teacher Webpage. If you are absent, text a classmate to find out what you missed.

If you have further questions or concerns, make an appointment to meet with me, or email me.

MAKEUP WORK POLICY (Excused Absences Only)

- Regular daily assignments (DO NOWs, Classwork, Class Participation) are generally not eligible for makeup. If you are absent for these assignments *and* the absence is excused, these assignments are dropped and will not count against you. You are still responsible for knowing the material you missed, so consult a classmate and/or plan to stay after school for special help when this happens.
- Tests, Quizzes, and TODs: You have as many days as you were absent to sit for a makeup for full credit. No Credit Given after that.

REMEMBER: I will NOT pursue you about your missed work; *you* must check the assignments calendar online, check with your fellow students, and get any notes, examples, or explanations from a trusted classmate.

TO THOSE OF YOU INVOLVED IN cheer, ASL, Student Council, band, athletics, choir, etc.: Your schedule is *especially* demanding, but missed assignments or late work will not be excused. Be responsible. Plan ahead.

LATE WORK POLICY (Excused Absences Only)

- Daily Assignments – Possible Partial Credit (Tardy), No Credit – Dropped (Absent).
- Homework – Eligible for full credit up 3 days upon return to school. No Credit after 3 days.
- Projects and large assignments – You have a minimum of 3 days and up to as many days as you were absent to turn in the assignment for full credit. No Credit Given after that.

TESTS, QUIZZES, Do Nows, TODs, HOMEWORK, and ALL OTHER ASSIGNMENTS missed as the result of an UNEXCUSED ABSENCE are INELIGLBE FOR CREDIT and will result in a ZERO SCORE. PERIOD.

Rules

- Attend class! The classroom experiences planned for you are designed to help to learn. You cannot benefit from them if you are not here!
- Be on time! You must be in your assigned seat and ready to work when the bell rings.
- Be prepared! Bring daily-required materials to class with you every day.
- Be respectful! Show respect to everyone and everything in class.
- Remember, the teacher dismisses the class, NOT THE BELL.

Also, the Code of Conduct in the Student Handbook applies while you are in class. You are expected to comply with these rules as well and will be held accountable accordingly.

Course Schedule / Sequence

Quarter (9 weeks)	Topic(s)	Chapter(s)
1st (Sep 3 – Nov 6)	• Tools of Geometry • Reasoning and Proof • Parallel and Perpendicular Lines	CH 1 – 3
2nd (Nov 7 – Jan 24)	• Congruent Triangles • Relationships Within Triangles • Quadrilaterals	CH 4 – 6
3rd (Jan 27 – Apr 3)	• Area • Similarity • Right Triangle Trigonometry	CH 7 – 9
4th (Apr 6 – Jun 11)	• Surface Area and Volume • Circles • Transformations	CH 10-12

Additional Information

Generally, you'll take 3-4 quizzes and 2 tests every 9 weeks. Expect homework almost every night, including weekends!

I look forward to working with you this year!

P.S.

If your parent or guardian emails me that they read this syllabus before 10/31/2019, I'll drop your lowest QTR1 quiz score!