

Course Title	Geometry
Instructor	Mr. Odineal
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Room Number	44

Course Description

This course is intended as a first level Geometry course required for all students at Sequatchie County High School. Prior to taking this course, students should understand the fundamentals of addition, subtraction, division, multiplication, and the order of operations and Basic Algebra. In geometry we will be developing and practicing problem-solving skills using inductive and deductive reasoning. Students are guided through all the conceptual and working levels of the process using geometry. It uses two and three-dimensional geometric shapes (points, lines, planes, triangles, polygons, circles, and solids) and examines their properties, measurements, and mutual relations in space. We will also learn ratios, proportions, basic Trigonometric functions, proofs, and how to solve word problems.

Required Materials

- Large Notebook (we will take copious amounts of notes)
- Textbook
- Pencils
- Calculator (I have a classroom set, however the homework is easier when you have your own Scientific calculator ex. TI-30XA)

Grades & Scoring

1st Nine Weeks
Tests: 45%
Projects: 18%
Homework: 13.5%
Daily Work: 13.5%
Midterm: 10%

2nd Nine Weeks
Tests: 50%
Projects: 20%
Homework: 15%
Daily Work: 15%

Parent Communication

I communicate most often via email. You should get one from me every two tests or so, just to let you know how your student is doing. I also will email you if there is an issue with your student. If you don't have an email in the system, or I can't reach you via email, I tend to call. You can email me, call me, text me or come by the school for an in person conference. All of my contact information is up at the top of this page.

Quizzes & Exams

There will be one major exam per quarter covering everything learned from the beginning of the course to that point in time. Exams are scheduled during the school wide exam period. Makeup exams will be given with an excused absence and will be handled on a case by case basis. If the exam is not made up in a timely manner, the student will receive a 0 for that test. No student will be allowed to take an exam early. The Final exam for this course will be the TNReady test at the end of the semester.

There will be Quizzes on every module of the syllabus. Quizzes will be announced. All tests are worth 100 points. Tests will be timed depending on its length. All Quizzes are curved via one of two methods. Either using the formula:

$$N = 80 + (R - \mu) \cdot \frac{10}{\sigma}$$

where R is your Raw Score, μ is the class average, σ is the class standard deviation. If the class average is below 50 or the standard deviation is above 22, the following formula will be used:

$$N = R + (99 - H)$$

where R is your Raw Score and H is the highest score in the class. The curve will never make your grade lower than your raw score. Makeup quizzes will be given with an excused absence and will be handled on a case by case basis. This normally means the student will have to come after school to makeup the quiz on a day they schedule. (See Tutoring) If the test is not made up in a timely manner, the student will receive a 0 for that quiz. No student will be allowed to take a quiz early.

Papers & Projects

Projects are designed to help build Problem Solving Skills and Critical Thinking. There will be one project every 9 weeks as time allows. At the time the assignment is distributed, the size of the group applicable to the project will be announced. Very little class time (if any) will be devoted to projects. Students are expected to work on them on their own time. Each project will require a written essay for credit. Without an essay, the student will receive a 0 for the project grade. If the completed project isn't brought to the classroom on the due date, the student will receive no credit.

Homework

The purpose of the homework is to provide opportunities to practice the material. Homework will be assigned most nights. Homework can be done online *or* via pen and paper. Students will be graded on the first 12 questions they get correct. I will normally assign more than 12 questions as a buffer against wrong answers.

Homework is due at the beginning of class after I call roll (and announcements if applicable). I will alert the students that the homework is being taken up just in case of forgetfulness. I *will not* accept late homework except in case of exempted absence.

Tutoring

I offer tutoring T,W,R for my students, from 3:05-4:05. It is the student's responsibility to alert me that they wish to come for tutoring and schedule a tutoring session.

Classroom Rules

1. No food or drink in the classroom (sans water).
 - a. Any food or drink eaten in the classroom will be thrown away.

2. No cellphones are to be used in the classroom.
 - a. Cellphones are to be put in the calculator holders in your calculator number.
 - b. Any cell phone used in class will be sent to the office (this includes smart watches).
 - c. If a student uses a second cell phone in class after turning one in, both will be sent to the office.
3. No Cursing
 - a. A student will be warned the first time they curse in class if it seems like an accident. (Teacher's Discretion)
 - b. Student will be sent to Time Out after subsequent times.
4. No Violence
 - a. Consequences per The Student Handbook.
5. No rolling around the room in the rolling chairs
 - a. The chairs have wheels to assist in their movement not yours. If a student rolls around the room too much, they will lose chair privileges.

Areas of Study

Mod 1 Week 1	Tools of Geometry
Mod 2 Week 2	Transformation and Symmetry
Mod 3 Week 3	Congruent Figures
Mod 4 Week 3	Lines and Angles
Mod 5 Week 4	Triangle Congruence
Mod 6 Week 5	Applications of Triangle Congruence
Mod 7 Week 5	Properties of Triangles
Mod 8 Week 5	Special Segments in Triangles

Mod 9 Week 6	Properties of Quadrilaterals
Mod 10 Week 7	Coordinate Proof Using Slope and Distance
Mod 11 Week 8	Similarity and Transformations
Mod 12 Week 9	Using Similar Triangles
Mod 13 Week 10	Trigonometry with Right Triangles
Mod 15 Week 11	Angles and Segments in Circles
Mod 16 Week 12	Arc Length and Sector Area

Mod 18 Week 12	Volume Formulas
Mod 19 Week 13	Visualizing Solids
Mod 20 Week 13	Modeling and Problem Solving
After the EOC	
Mod 14 Week 17	Trigonometry with all Triangles
Mod 21 Week 17	Introduction to Probability
Mod 22 Week 18	Conditional Probability and Independence of Events
Mod 23 Week 18	Probability and Decision Making

Please Sign to signify that you have read the syllabus and Turn In this portion to the Teacher

Student Signature

Parent Signature