

*GEOMETRY HONORS
COURSE EXPECTATIONS
MR. SNOBLEN - CORONADO HIGH SCHOOL*

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. 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]

Approved November 1984, revised April 1998, May 2007.

TEXT:

The textbook used for this course is Geometry- Integration, Applications, Connections by Boyd, Burrill, Cummins, Kanold, and Malloy.

REQUIRED MATERIALS:

Everyday you will be required to bring to class your assigned book, your spiral notebook for Geometry Honors with paper, loose leaf paper(clean edge), your homework, a writing utensil (preferably a pencil), your Coronado planner, and a calculator. A protractor, compass and straight edge (ruler) are necessary tools.

COURSE OUTLINE:

First Quarter: Review prerequisites, Pre-test, Chapters 1 - 3.
Second Quarter: Chapters 4 - 7, Semester Exam review, Semester Exam.
Third Quarter: Chapters 8 - 10.
Fourth Quarter: Chapters 11 - 13, Semester Exam review, Semester Exam.

HOURS OF AVAILABILITY

I am available for extra help before or after school, most days. You may make arrangements with me, if necessary.

GRADING PROCEDURE:

The total number of points **you** earn per quarter determines **your** grade.

Homework will be assigned daily. It must be done in your spiral notebook in **pencil** and have the following information in the upper right hand side:

NAME
PERIOD NUMBER
DATE
PAGE NUMBER AND PROBLEMS ASSIGNED

Notebook work (homework) will be given daily and self graded. Notebooks will be graded at least once per chapter. **Late notebooks will not be accepted. All work must be shown to receive full credit.**

Class work will be given daily and collected in class. **All work must be shown to receive full credit. No late class work will be accepted.**

Vocabulary will be given for each chapter. The vocabulary will be due on the day of the chapter test. Point value and format will be provided at a later date.

Quizzes will be given after each section or after two sections. They are worth 10 - 30 points. There will be many quizzes so keep up on the material and homework. An extra weekly quiz will be assigned and this quiz will be based on bringing your materials to class everyday. Note a deduction of points may occur in the Quiz category if materials are not brought to class.

Tests will be given at the end of each chapter and will usually be worth 100 points. Tests must be taken in pencil or 5 points will be deducted from your score.

Your final grade:	90% -100%	A	Your quarter grade:	20%	Class work
	80% - 89%	B		10%	Notebook
	70% - 79%	C		70%	Tests & Quizzes
	60%- 69%	D			
	0% - 59%	F			

If you are absent, it is your responsibility to get the make-up work. If you miss a test or quiz, you must make arrangements with me to make it up outside of class. All make-up work for a chapter is due before you take the chapter test. Chapter tests and quizzes must be made up **before** you take the next chapter test.

You are required to keep a spiral notebook for this class. Your notebook should have a section for notes, vocabulary and homework. There will be at least one notebook check per chapter. **You are responsible for including notes, vocabulary and homework for the days that you are absent.**

Semester exams will be given at the end of each semester. The exam will be 20% of your semester grade. Each quarter will be 40% of your semester grade.

Citizenship grades are given quarterly and are subjective. This grade is based on my evaluation of you as a cooperative, contributing member of this class. Things considered are attitude, attention, punctuality, courtesy, behavior, participation, and preparation.

Current grades are posted either in the classroom or on Intouch. It is your responsibility to check your grade, look for missing assignments, and check for errors. If you do not notify me, I will assume that you agree with the posted grade.

Semester projects may be assigned, probably during the second and fourth quarter. The project grade will be averaged into the quarter grade. Failure to complete a project could result in a drop of one letter grade for the quarter.

CLASS RULES:

Timeliness Is Expected!! You must come to class on time.

If you are late to class, no hall passes will be issued.

You will be quiet and orderly during class. It is expected that all persons in this class will be polite and courteous. You should treat all others with respect and fairness. This also applies to property that belongs to either the school or others.

No use of obscene or improper language.

Come to class prepared. You will need your book, paper, pencils, calculator, and homework **everyday**.

If there is time provided to work on assignments in class, use it wisely.

Water is the only food or drink allowed in class. Please have it in a spill-proof container.

No gum in the classroom. Please discard your gum as you enter the class.

All rules of Coronado High School apply in this classroom.

ACHIEVING SUCCESS:

To achieve success in this class, good attendance is necessary. It is also necessary to study, and that does not mean just doing your assignment. I am ready and willing to help you. If you get lost, are absent, or just feel like you need extra help, do not wait until it is too late!! Do not be embarrassed to ask for help.

For additional practice problems and sample chapter tests, go to www.glencoe.com. Select secondary education, then mathematics, and finally the appropriate textbook. The web site www.e-zgeometry.com will also give some extra problems to work on.

Dear Parent/Guardian:

Hello, my name is Ron Snoblen and I will be your child's Geometry Honors teacher this year. Please take a moment to read these expectations and sign below. The strongest ally I have in the classroom is you - as the combined effort of parents and teachers produce the most positive results in your child's education. Thank you in advance for your support. Please do not hesitate to call or email if you have any concerns or questions. The school phone number is 799-6800. My email address is **rsnoblen@interact.ccsd.net**. I will return your call and email as soon as possible.

Sincerely,

Ron Snoblen

I HAVE READ AND UNDERSTAND THE ABOVE COURSE EXPECTATIONS FOR GEOMETRY HONORS. I ACCEPT RESPONSIBILITY FOR THE INFORMATION OUTLINED ABOVE.

Student's Printed Name _____

Student's Signature _____ Date _____

Parent/Guardian's Printed Name _____

Parent/Guardian Signature _____ Date _____

E-mail Address _____