

GEOMETRY
COURSE EXPECTATIONS
MR. SNOBLEN – CORONADO HIGH SCHOOL

GEOMETRY – 483

Course Scope:

This one-year course is a logical development of the inductive and deductive systems of reasoning. Emphasis is on developing visualization abilities, analytical skills, and logical reasoning. Continual development and review of algebraic skills are an integral part of this course. Various instructional techniques are utilized through activity-based methods. The use of manipulatives, 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 basic vocabulary and notation of 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]
3. To explore various techniques of problem solving including inductive reasoning and rules of logic. [NS: C, 2.12.1, 3.12.3, 4.12.8, 4.12.9]
4. To explore connections among geometric and algebraic concepts and the physical world. [NS: D, 3.12.5, 4.12.5, 4.8.7, 4.12.7]
5. To explore lines and angles and their properties. [NS: D, 4.7.6, 4.12.6]
6. To compare and contrast properties of plane figures and spatial objects. [NS: 4.7.4, 4.12.1]
7. To create plane figures and three-dimensional objects. [NS: 4.8.8, 4.12.8]
8. To analyze and solve problems through deductive reasoning including direct and indirect proof. [NS: A, C, 4.12.9]
9. To find perimeters and areas of two-dimensional figures and surface areas and volumes of three-dimensional figures. [NS: 3.12.3, 3.12.5, 4.12.1]
10. To discover, verify, and prove mathematical conjectures through geometric constructions and other techniques. [NS: B, C, 3.12.3, 4.8.8, 4.12.8]
11. To explore right triangle relationships and their applications to problem solving and apply properties of special right triangles. [NS: A, D, 4.8.7, 4.12.2, 4.12.7]
12. To explore the concepts of congruence, similarity, and symmetry through transformations and properties of geometric figures. [NS: 4.8.2, 4.8.3, 4.12.2]
13. To formulate and solve real-world problems incorporating geometric models and applying properties of figures. [NS: A, D, 3.12.3]

Approved November 1984, revised April 1998, May 2007.

TEXT:

The textbook used for this course is Geometry- An Integrated Approach by Larson, Boswell, and Stiff.

REQUIRED MATERIALS:

Everyday you will be required to bring to class your assigned **book, spiral notebook** for Geometry with paper, loose leaf paper(clean edge), your homework, a writing utensil (preferably a pencil), 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 - 4.
Second Quarter: Chapters 5 - 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 and must be completed in the spiral notebook. It must 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. This will be done on paper with a clean edge. **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 for bringing the necessary materials on a daily basis. This extra quiz can lead to a deduction of points in the quiz category.

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:	25%	Class work & Homework
	80% - 89%	B		25%	Notebook
	70% - 79%	C		50%	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. Your notebook needs to be up to date everyday. **You are responsible for including notes 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 every week 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 when you enter the classroom.

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.



Dear Parent/Guardian:

Hello, my name is Ron Snoblen and I will be your child's Geometry 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. 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 _____