

SYLLABUS

Centennial High School

2018-2019

Course #: 8323	Teacher Name: Matt Watson
Course Name: Geometry 2	Room Number: W619 Phone #: 763-792 -5120
Semester 1 <input type="checkbox"/> Semester 2 <input checked="" type="checkbox"/>	E-Mail: mmwatson@isd12.org
Prerequisite: Geometry 1	Credit Earned: ½ credit per semester

Course Description:

Geometry is the part of mathematics concerned with questions of size, shape, and relative position of figures and with properties of space. This course studies all thirteen chapters of the district-approved textbook Glencoe Geometry. The curriculum is aligned to NCTM (National Council of Teachers of Mathematics) principles and standards as well as Minnesota State Standards.

Course Objective: Students in this course will ...

Geometry 1 (Chapters 1– 6)

- Gain knowledge of the main topics of plane and solid geometry.
- Clarify the parts played in mathematics by undefined terms, definitions, postulates, and theorems.
- Apply deductive and inductive reasoning and be able to complete proofs.
- Apply the methods of proving that triangles are congruent.
- Apply congruent triangles to special quadrilaterals and to triangle inequality.
- Use postulates, theorems, and corollaries to recognize and find similar polygons.
- Describe and apply loci and transformations.

Geometry 2 (Chapters 7-13)

- Apply right triangles including the Pythagorean Theorem and trigonometry.
- Identify and evaluate components of circles.
- Construct a variety of geometric figures
- Find area and perimeter of plane figures
- Find surface area and volume of geometric solids.
- Apply coordinate geometry to algebra.

Course Expectations:

1. Bring All Needed Materials to Class (and yes, that includes a calculator, pencil, paper, and folder or binder).
2. Be in Your Seat and Ready to Work When the Bell Rings.
3. Respect and Be Polite to All People
4. Do your Best to Learn and Listen to Instruction
5. Respect People's Property and Obey all School Rules

Attendance: As stated in the student handbook

(Three unexcused tardies are equivalent to one unexcused absence)

Materials Needed:

- 3-ring binder OR folder
- Pencils (always have a couple) Pens are fine if (Black or Blue ink Only)
- Loose leaf paper (to be added to binder as necessary) Paper can be grid, wide- ruled, or college-ruled (your preference)☺. Grid paper is a great way to go!
- Calculator (scientific) (If you decide to purchase a graphing calculator (not required), a TI-83 or TI-84 is recommended because our textbooks at Centennial refer to these calculators and the teachers know how to operate them best.)

Grading:

Homework (30%): In math, practicing what you have learned is essential. That's the purpose of daily homework. Homework will be checked regularly and given 4 points based on **completeness** and **work shown**. In the case of excused absences and late work, assignments are due by the day of the chapter test. I expect each student to participate in taking notes and in answering questions in class. Additionally, each student must help to create an environment where all students can learn. A student who comes to class with a positive attitude, takes notes, participates, and follows the guidelines and procedures of the classroom will position themselves to be very successful in this class.

Tests and Quizzes (70%): Tests will be given at the end of each chapter and Quizzes part way through the chapter. Tests and Quizzes should be considered a "big deal." I expect that students will review and study for each chapter test. Missed tests must be made up **ASAP**. There is a final test each semester so students should not throw away notes until done with the **entire** Geometry sequence (1 and 2). There will be opportunities for quiz corrections and to retake tests. These need to be completed according to the policies and deadlines set by the teacher.

GRADING	
A = 100 – 93	C- = 72 – 70
A- = 92 – 90 (Exemplary work – 90%-100% mastery of subject goals)	D+ = 69 – 67
B+ = 89 – 87	D = 66 – 63 (Mediocre work – 60%-69% mastery of subject goals)
B = 86 – 83 (Proficient/thorough work – 80%-89% mastery of subject goals)	D- = 62 – 60
B- = 82 – 80	NC = 59 – 0 (Unacceptable work – less than 50% mastery of subject goals)
C+ = 79 – 77	
C = 76 – 73 (Acceptable work – 70%-79% mastery of subject goals)	

SCHOOLGY WILL BE USED FOR POSTING ASSIGNMENTS, HAVING WORKSHEETS AVAILABLE TO DOWNLOAD AT HOME, FUTURE QUIZ TAKING AND COMMUNICATION.

ACCESS CODE: QK44K-CHHB3