HONORS GEOMETRY SYLLABUS

TEACHER: Mr. Halvorson   Classroom A102   Office A110
                Available for help: 6:15-7:20am   and 2:25-3:30 pm
                Email   jim.halvorson@district196.org

COURSE OVERVIEW:

This course will investigate the plane geometry of lines, triangles, polygons, and circles. It will involve proofs of triangle congruence and similarity of various shapes. Additional topics will include solid geometry, compass constructions, perimeter, area, and volume. Right triangle trigonometry, analytic geometry, fractals, and logic will also be studied. The text is **GEOMETRY**-Holt/Rinehart/Winston. A Web-based book will also be made available through the use of a password.

TEACHING STRATEGIES:

Students will be given opportunity to demonstrate their skill (verbal & written) in class (small & large group) as well as on tests. Classroom discussion will include follow-up comments such as "why?" or "justify your conclusion." Tests will include questions requiring an explanation/justification of steps and solutions. Lecture notes will be posted on my Moodle.

COURSE OBJECTIVES:

Develop the mathematical skills necessary for future success, elevate critical thinking skills, and become a better person. An additional goal is to prepare the students for success on the ACT Exam. The ACT college entrance exam is accepted by Midwestern schools and is 25% math. Of that, approximately 50% is geometry based. A great deal of understanding in geometry is based on **vocabulary**

STUDENT EXPECTATIONS:

Students will: come to class prepared, keep a notebook, keep current with all assignments, and follow classroom rules. A 3-ring binder is strongly recommended. The classroom will be an environment of mutual respect. Communication skills will include proper use of complete sentences, nouns, pronouns, subject, and verbs. A scientific calculator is **required** for this class. It is expected that students will follow the **Honor Code** concerning cheating and plagiarizing. Learn to ask for help!

HOMEWORK/ PROJECTS:

Assignments will be collected daily **(Show ALL work and try EVERY problem)**. There may be an opportunity to demonstrate additional learning through a project of some type.

TESTS/QUIZZES:

All tests and quizzes will be announced. There will be no retakes. Tests are typically 100 points. Take home and group exams may be used. If you miss the day of the test/quiz, you will be expected to take the test/quiz the following day.

GRADING:

20% HOMEWORK/PROJECTS
80% TESTS/QUIZZES
(Note: a 10% FINAL EXAM will be given the end each semester ; TESTS/QUIZZES will become 70%)

GRADING SCALE:

93-100 A	90-92 A-	87-89 B+	83-86 B
80-82 B-	77-79 C+	73-76 C	70-72 C-
67-69 D+	63-66 D	60-62 D-	Failure is not an option

A FEW THINGS TO REMEMBER:

- How you do your work is a reflection of yourself!
- Follow class rules. Be prompt, prepared, polite, and productive.