Geometry
Course Syllabus – Spring 2010
Mrs. White

Course Title: Geometry
Prerequisites: Algebra I
Text: Saxon, Geometry

Course Goals: Students will develop advanced problem-solving skills through the use of advanced mathematical concepts and techniques to include the application of geometric principles, development of geometric proofs, and continued mastery of advanced algebra and trigonometry skills
Methods: Instructional methods will consist of lectures, multimedia presentations and cooperative (small-group) problem solving. Students will be afforded adequate class time for active questioning and for guided problem-solving.

Materials: Students will be required to bring to each class the textbook, pencils, paper,graph paper, a notebook (a loose-leaf notebook is preferred), straight-edge, compass and a **graphing** calculator. The TI-83 or TI-84 calculators are preferred. Other graphing calculators are acceptable with the understanding that the student must become very familiar with the operating manual for the particular model. Calculators capable of performing symbolic manipulations (e.g., TI-89) are not permitted. Calculators with CAS systems are prohibited. Calculators may not contain games. Some calculators have games installed. Students who play games on their calculators during class time will have their calculators confiscated and turned over to the Math Department Chair who will return the calculator after a conference with the student and his/her parent.

Assignments: Students will be provided a schedule of all assignments at the start of the course. All assignments are due as scheduled. Assignments submitted later than scheduled will not be accepted and a grade of zero will result. Each problem in each assignment should be completed with all steps clearly shown. Unless otherwise directed, students are encouraged to work together and to seek help from the teacher, as required. However, students should not record and submit solutions to problems that they do not understand. Assignments will be collected and graded on the due date. Unannounced quizzes will be administered on a routine basis.

Integrated Honors Courses: All students interested in being classified honors in an integrated honors course will notify each teacher during the first week of class. Those students who have an 89/B average in any integrated honors course at the first progress report will be enrolled as honors students for that term. If the student does not meet this milestone, then the student will no longer be considered as an Honors Geometry student. The grades will not be recalculated if a student is dropped as an Honors student. Honors work consists of additional "Honors" problems that students will completeas part of each test, and they may be assigned additional honors projects.

Evaluation: Tests routinely will be given on Thursdays throughout each quarter. Homework and quizzes will account for 30% of the weekly grade. Tests will account for the remaining70%. Weekly grades are cumulative and will account for 80% of each quarter grade with the mid-term/final exam accounting for the remaining 20%. The average of both quarters' grades will determine the final course grade. Students will be provided their current, cumulative average on a weekly basis. Additionally, parents/guardians will be provided progress reports according to the published School Calendar. **NOTE**: *See Parent/Student Handbook for School policy for the grading implications of excessive absences.*

Make-up Work: When a student is absent, all make up work should follow the school policy as stated in the student handbook. The students will receive a calendar so will always know what lesson is next. There is not an excuse for missing an assignment if they miss a class period.**.**

- **For absences of fewer than three academic days** - All homework due during the period of absence will be graded by the student and submitted upon return to class. Missed tests and quizzes will generally be made up **after school on the Monday following the absence.**
- **For longer, unplanned absences** – Students will submit a written proposal with a timetable for the makeup of missed work. The proposal/timetable will be reviewed and approved or amended by me, and must then be executed by the student. Failure to meet the timetable will result in a grade of zero being assigned for that particular piece of homework, quiz, or test.
- **For extended planned absences** – Students are responsible for determining, completing, and submitting all assignments due during the absence **prior to their departure unless other arrangements have been made with me.**

PCHS Honor Code: The PCHS Honor Code is based on the premise that PCHS students will not cheat, lie or steal, nor tolerate those who do. During the Geometry/Trigonometry course, the following expectations will apply:

⇒ **Tests and Quizzes:** All work must be performed individually using only the resources specifically authorized by the teacher. In this regard, use of the calculator is authorized unless specifically prohibited by the teacher or by test/quiz instructions. However, student-generated mathematical programs are not permitted and will not be placed on the calculator.

⇒ **Homework Assignments**: As stated above, unless otherwise directed, students are encouraged to complete homework assignments cooperatively with other students, teachers, parents and tutors as a means to enhance the learning and mastery process. On the other hand, the mere copying of another's work for submission and grading is prohibited by the Honor Code.