



## SLCA SYLLABUS 2017-2018

### HONORS GEOMETRY

**Mission Statement:** SouthLake Christian Academy exists for the sake of God's glory and mission; proclaiming the gospel and discipling the whole person in all aspects of God's reality.

**Course Description:** Honors Geometry is designed to prepare students for Honors Algebra II through extensions, rigor, and detailed concept review. This course will challenge students in solving equations, interpreting application problems, and making extensions through geometric diagrams and measurements. Honors Geometry has been developed for students to apply and analyze concepts related to geometric figures, theorems, postulates, and formulas. This course will develop your ability to take part in mathematical practices involving persevering to solve problems, creating and critiquing mathematical arguments and proofs, and modeling life like situations. The use of technology is integrated in the course with scientific or graphing calculators. SAT and ACT type practice problems will enhance student critical reasoning and analysis skills as well. Throughout the course, Christian worldview will be incorporated to assist students in recognizing and appreciating the sovereignty of God through mathematics. **Prerequisite: Algebra I**

**Course Objectives:** Students will develop proficiency with geometric relationships and deductive strategies that can be used to solve a variety of real-world and mathematical problems. Critical reasoning and logic abilities will also benefit, as well as the ongoing development of a Christian worldview through which students view mathematics as an instrument of dominion.

**Text:** Prentice Hall Mathematics: Geometry, 1<sup>st</sup> ed. Pearson Education, Inc., 2009 (provided by school)

**Evaluation:** Semester Grades: Class Work – 80%; Final – 20%  
Class Work Grades: Tests – 80% (6-8 per semester)  
Quizzes – 20% (pop or announced)

No extra credit will be offered per school policy. However, bonus questions may be offered on a test, not to exceed 5 points and 100% maximum test grade. Bonus points may not be transferred between tests.

**Homework Policy:** Assignment will be given every day with few exceptions. Although assignments are not counted for a numerical portion of the grade, homework will have a direct effect on the performance on tests and quizzes. Therefore, it is imperative that all assignments are completed in a timely manner. Completed assignments may count as bonus points towards a quiz or test.

**Students are required to show their work in pencil on all assignments to receive credit for completion of the assignment.**

**Test Make-up Policy:** If a student comes into school late and as a result has missed a test, the student will immediately report to the office to make-up that test.

Students have **ONE** day for each day absent (excused) to makeup all tests and quizzes. If the test/quiz is not made up in this period, **10 pts will be deducted** from the final test/quiz grade **for each day past the makeup day**. Students should meet with their teacher(s) ASAP to request alternate arrangements if they do not have a study hall or have multiple assessments to complete.

All tests/quizzes are made up during the assigned test makeup period or other study hall. Students may NOT miss a scheduled class to make up a test. If students make up a test or quiz during a study hall other than the assigned test makeup period, they must go with a pass from their study hall teacher to the office to take it.

### **Classroom Expectations:**

- Follow all rules and procedures listed in the SouthLake handbook.
- Respect for all staff, students, and guests in the class.
  - *Be devoted to one another in love. Honor one another above yourselves.*  
Romans 12 :10
- Be prepared for class daily, this includes your book, binder, homework, notes, pencils, and a positive attitude.
  - *Do you not know that in a race all the runners run, but only one gets the prize? Run in such a way as to get the prize.* 1 Corinthians 9:24

**Important Points:** You are working to learn, and the instructor is working to supply you with everything you need TO learn. As we work together, let's remember for Whom we are working: the Lord. (Col. 3: 17,23). Geometry is the mathematical providence He has for you this year – His appointed tasks for us in this class were established before the Creation of the world. Let's be diligent and faithful together in their completion, as we grow in our understanding of God through geometry.

### **Required Supplies:**

- 3 ring binder (1 to 1.5 inch)
- Loose leaf notebook paper
- PENCILS -NO PENS!
- 10 file folders
- Scientific calculator, similar to a TI -30XIIS. It should have sin, cos, tan, "pi", and radicals keys at a minimum. Please contact the Math Department if you have questions.