**Instructor:**

Ms. Jones: Allison.jones@cobbk12.org Room 110

**Textbook**: Each student will receive a copy of the new textbook ‘Analytic Geometry – Georgia Edition 2014’ by Holt McDougal.

**Calculator Policy**: Students will be allowed to use a graphing calculator for most units. We encourage purchasing the TI-84 Plus. Please see the Pope website for details and more information: <http://www.cobbk12.org/pope/calculator_policy.aspx>

**Course Breakdown**: (subject to change)

 **Fall Semester** **Spring Semester**

Unit 1: Transformations in the Coordinate Plane (~ 3 weeks) Unit 7: Circle Properties Part 1 (~ 4 weeks)

Unit 2: Similar Figures and properties (~ 2 weeks) Unit 8: Circle Part 2 w/ volume (~ 2 weeks)

Unit 3: Proving Triangles similar and congruent (~ 3 weeks) Unit 9: Algebraic Connections (~ 4 weeks)

Unit 4: Properties of lines angles, triangles and parallelograms (~4 weeks) Unit 10: Probability (~ 3 weeks)

Unit 5: Special Right Triangles (~2 weeks) Unit 11: Complex numbers/Factoring (~ 2 weeks)

Unit 6: Right triangle Trig (~ 3 weeks) (*units 2,3,4 and 9 will also involve proofs)*

 *Constructions will be dispersed and assessed throughout.*

**Grade Breakdown**:

Tests – 50%

Quizzes (announced and unannounced)– 20% County “Touchstones” may be graded differently as directed by the

 county

Homework/Touchstones- 10%

Final Exam (EOC in spring) – 20%

**SOME GENERAL POLICIES AND TIPS FOR SUCCESS:**

**Materials:** You will need a notebook (your choice of what kind) and a compass and protractor for this class.

**Cell Phones:** Please put them away when class begins! I don’t want to ban them from class but I will if needed!

**Homework Policy**: Each day students are given assignments to complete the mastery of the topics being studied. It is important to complete the assignments before the next class. There will be opportunities to work on assignments occasionally in class and throughout the school day; use your time wisely. Homework for a particular unit will be picked up on the day of the test. If a student maintains an 85 or higher average, he/she does not have to turn in homework. If that average drops below an 85 he/she must turn in homework again. EVERYONE turns in homework the first unit.

**Attendance**: It is important that students come to class daily. If a student misses class he or she is expected to obtain the notes and assignments for that day. Making up a test because of an excused absence will be done at MY convenience, usually before or after school. Make up quizzes or tests may not be the same as the quiz/test given to the rest of the class.

**Behavior**: Students are expected to manage their time, remain on task, follow instructions, be on time and be respectful in the classroom. No cell phone or music players are allowed to be used in the classroom unless approved by the instructor. Continuing use of a cell phone without the permission of the classroom teacher will result in referral to the administration.

**Extra Help**: Students are encouraged to seek extra help from the teacher as needed. Academic Opportunity is available as well as times before school most days. Please schedule a time with your teacher no later than the end of school the day before you would like to meet.

**Beware shortcuts and tricks for an HONORS class:** Honors Geometry will involve some higher level thinking. You cannot get by with just learning how to solve the problem one way. The best advice I can give is if you learn why things work the way they do in math you will not forget it. Shortcuts and tricks do not always work and are forgotten easily. Problems on a test are concepts driven and you may get a question that is similar to one you did in class but not exactly the same. You will be expected to THINK.