

**CCGPS Analytic Geometry
Course Syllabus
2013-2014
Dutchtown High School**

Teacher: Yvette Woodson

Room 210

School (770) 515-7510

Email address: ywoodson@henry.k12.ga.us

Text: Georgia Department of Education Analytic Geometry CCGPS Frameworks

Supplies:

Three Ring Binder	Pencils (no work should be done in pen)	Ruler
Graph Paper	*Scientific Calculator	Notebook Paper
Highlighter	Compass	Protractor
2 Dry Erase Markers	Colored pencils	Notebook Dividers

** Students should have either a scientific or graphing calculator. Graphing calculators are not allowed on the EOCT. Only scientific calculators that do not store text (these have alphabet keys) are allowed on the EOCT. Casio fx-115 ES PLUS has algebraic and statistical capabilities that students have found particularly helpful in class and on the EOCT, so instruction will be given on this model, but any scientific calculator will be fine.*

Course Description / Content:

The focus of Analytic Geometry on the coordinate plane is organized into 6 critical areas. Transformations on the coordinate plane provide opportunities for the formal study of congruence and similarity. The study of similarity leads to an understanding of right triangle trigonometry and connects to quadratics through Pythagorean relationships. The study of circles uses similarity and congruence to develop basic theorems relating circles and lines. The need for extending the set of rational numbers arises and real and complex numbers are introduced so that all quadratic equations can be solved. Quadratic expressions, equations, and functions are developed; comparing their characteristics and behavior to those of linear and exponential relationships from Coordinate Algebra. Circles return with their quadratic algebraic representations on the coordinate plane. The link between probability and data is explored through conditional probability. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

1st Semester	2nd Semester
Unit 1: Similarity, Congruence and Proofs	Unit 5: Quadratic Functions
Unit 2: Right Triangle Trigonometry	Unit 6: Modeling Geometry
Unit 3: Circles and Volume	Unit 7: Applications of Probability
Unit 4: Extending the Number System	

Grading Procedure: Formative Assessments will assist students in self-assessment of mastery of standards, but do not contribute directly to the standards-based grade.

Summative Assessments	80%
Final Exam/EOCT (one per semester)	<u>20%</u>
	(Final grade) 100%

Grading Scale:**A = 90-100****B = 80-89****C = 74-79****D = 70-73****F = 0-69****Infinite Campus:**

Grades will be uploaded to the online gradebook, *Infinite Campus*, on a regular basis. Each student will have a log-in. Parents will need to have a log-in as well. Students will be required to set up a student account on *Infinite Campus* and are strongly encouraged to monitor their mastery of standards on a regular basis.

Grading:Classwork/Mathematical Practice

Assignments will be made daily and are designed to help students understand, practice and apply the standards prior to being formally assessed on the standards. They should be used as an indication of whether further assistance is needed on a standard/topic.

Tasks/Quizzes/Tests/Project (80%)

Quizzes over one to three elements of the standards will be given at least weekly. Unit tests over multiple elements will be given about every three weeks. Items on tests and quizzes will be graded by standard and grades will be recorded by standard. "Test 1" may appear as a grade under several standards, reflecting an average of the standards' items from the test. You will not see a grade for the entire "Test 1."

Semester Exam (20%)

At the end of first semester, all students will take a semester exam covering the five units from first semester. All students will take the Georgia CCGPS Analytic Geometry End-of-Course Test (EOCT) over all of the units on May 6, 2014.

Notebook

Notebooks should contain the course syllabus, vocabulary, all notes and assignments completed from each unit. It will be helpful to use dividers to separate your units. Your notebook should be updated and brought to class every day. It will be an essential tool as you begin to prepare for the EOCT.

Make-up Procedure: (Per student handbook)

It is the student's responsibility to make arrangements for make-up work. The number of days allowed to complete make-up work will be one day for each day absent, unless determined otherwise by the principal. Failure to comply with this make-up procedure will result in a zero (0) being given for work and graded assignments missed during an excused absence. Students with an unexcused absence will not be allowed to make up work and graded assignments missed during the unexcused absence. Students with excused absences may arrange with the teacher for extra help if an extended absence is unavoidable. Students who have an absence on the day of a test should come prepared to take that test the day they return to school. In addition, if the student was informed prior to the absence date of a test, the student is required to take the test upon return. Tests may be made up after regular school hours.

Tutoring:

Tutoring is available in the Bulldog Learning Center (room 204) Monday-Thursday from 3:30 P.M. – 4:30 P.M. All tutorial sessions in the BLC will be done by a certified math teacher.

Ms. Woodson will be available for tutoring Wednesday afternoons in room 210 from 3:30 – 4:30 p.m. Please encourage your child to attend as needed.

Classroom Rules:

1. Be Prompt – Be on time and begin working on the warm-up activity immediately; do not linger in the hallways. Class begins promptly, and we work from bell to bell. Wait for dismissal by the teacher.
2. Be Prepared – Come to class prepared to learn. Bring your textbook, notebook, pencil(s), and calculator everyday.
3. Be Productive – Leave class knowing more than what you did when you came in.
4. Be Polite – Do unto others as you would have them do unto you. Respect yourself, respect all others, and respect your learning environment at all times! Do not bring food, drink or gum into the classroom. Respect other adults in the building by being quiet during announcements and when teacher is addressed via the intercom.

Procedure for enforcing class, school, and county rules:

(For definitions of Section I, II, and III offenses see student handbook.)

- 1) For any offense of classroom rules: **4-step process**

First offense:	conference with student
Second offense:	parental contact/30 minute detention
Third offense:	parental contact/1 hour detention
Fourth offense:	referral to administration

- 2) For any offense that falls into SECTION I, II, or III:

First offense:	Referral to administration
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The teacher reserves the right to make changes to the syllabus as needed. When updates are done they will be reposted to the teacher's webpage.

Dear Parents,

In an effort to keep you informed about your child's performance in Analytic Geometry district-wide progress reports will be sent home according to the following schedule. However, if your child has an average of 74 or below I will be sending a progress report generated from Infinite Campus home for you to sign and return. I also encourage you to call the guidance office and set up a parent conference.

FIRST SEMESTER

Sept 6 (District-wide 4½-week progress report)
Oct 21 (District-wide 9-week progress report)
Nov 8 (District-wide 13½-week progress report)
Jan 14 (District-wide Semester Report Card)

SECOND SEMESTER

Feb 7 (District-wide 4½-week progress report)
April 1 (District-wide 9-week progress report)
April 25 (District-wide 13½-week progress report)
Mailed in June (District-wide Semester Report Card)

Your child should keep graded papers in his/her notebook, but should also be checking *Infinite Campus* weekly. If at any point in the year you have a question or concern, please do not hesitate to contact me at school (770-515-7510) or by email at ywoodson@henry.k12.ga.us

Thank you,
Yvette M. Woodson

PARENT RECEIPT OF SYLLABUS, STANDARDS, AND PROGRESS REPORT SCHEDULE

I have seen the syllabus for **Analytic Geometry** and the schedule for progress reports.

Student Name (Please print) _____

Parent's Name (Please print) _____

Parent's Signature _____ Date _____

Parent's Preferred Method of Contact _____ by phone _____ by e-mail

Daytime Number _____ Evening Number _____

Parent E-mail Address _____

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