Instructors: Ms. Hirsch (room 115)   **Email:** kristina.hirsch@henry.k12.ga.us
               Ms. Rape (room 116)   barbara.rape@henry.k12.ga.us

Course Description:
This is the first course in a sequence of courses designed to provide students with a rigorous program of study in mathematics. Developed to align with the Common Core State Standards, the Common Core Georgia Performance Standards (CCGPS) will prepare Georgia students to better compete with students from other states when applying to colleges, technical schools, or entering the work force after graduating from high school.

Resource: Students/ Parents will have access to the CCGPS Analytic Geometry Frameworks at
                georgiastandards.org.

Suggested Materials:
3-Ring Binder (1 inch or larger)   Earbuds (for technology learning modules)
Notebook Paper   Graph Paper (optional)
Pencils and Erasers   Ruler, Protractor, and Compass (optional)
TI-30XS Multiview Scientific Calculator

* A class set of calculators will be provided in class, however, it is recommended that you purchase your own for homework purposes.

Course Content:
1st semester:	2nd semester:
Similarity, Congruence, and Proofs	Quadratic Functions
Right Triangle Trigonometry	Modeling Geometry
Circles and Volume	Applications of Probability
Extending the Number System	

Grading Policies:
You must show all work (even if you use a calculator) to ensure full credit is received for correct answers. All decimal answers must be rounded to reflect the context of the problem. Grades are entered into Infinite Campus as points-out-of-possible scores instead of percentage-correct scores. In the long run, this is to the student's advantage. The grade will be calculated as follows:

A = 90% – 100%   B = 80% – 89%   C = 74% – 79%   D = 70% – 73%   F = 69% or below

Warm Ups:
Students should enter class and immediately begin working on any warm up activity found on the board. Students are responsible for keeping up with these questions, as they may be relevant to current or future tasks and may be used for unannounced assessments throughout the semester.

Homework:
Homework is an important part of learning mathematics and will be assigned daily. A mixture of task related and textbook based assignments will be used to help students master course content. All work must be shown for each problem. Homework may be checked either for accuracy or completion at teacher's discretion.

Assessments:
Assessments will be given throughout the year to help students track mastery of standards being covered. Students who are absent from school the day before an assessment will be held responsible for taking the assessment at the scheduled time. Students absent on an assessment day must follow up with me within two days of returning to school to schedule a makeup assessment.

Support Classes:
Students taking a support class will be responsible for submitting a portfolio which shows mastery of Analytic Geometry course standards. This will be done primarily in class but this along with classroom participation will determine the student's grade.

Attendance:
Attendance is extremely important. You miss valuable class discussions that help you master standards being taught during this time. It is the responsibility of the student to make arrangements to make up missed work or assessments and secure all notes from classmates. *Class time will not be spent completing makeup work*.

Makeup Work:
A student who has been absent (EXCUSED) is responsible for meeting with me within two days of returning to school to arrange for makeup work. The time during which makeup work must be <u>completed</u> should not exceed the number of days missed by the student. For example, a student who was absent (excused) for three days will have two days (maximum) to arrange for makeup work and three days (maximum) to actually make up work - a <u>total</u> (maximum) of five days. Makeup work for this student is eligible for maximum credit for correct work.

Benchmarks / Final Exam / EOCT:
<u>Benchmarks and final exams are cumulative</u>. I highly recommend reviewing past material periodically so you are not overwhelmed reviewing for exams. Students will take the Analytic Geometry Georgia Milestone at the end of Spring Semester. The Georgia Milestone will count 20% of a student's semester final average.

Availability:
I am available after school to help you and answer your questions in any way I can unless I have duty, a meeting, or a parent conference. Please check with me to assure my availability for the day you plan to attend.

Restroom / Hall Passes:
No passes will be issued during the first or last 15 minutes of the class period. No passes will be issued at any point during class for students to report to lockers. Restroom passes will be limited in order to deter abuse of passes and classroom disruptions.

Classroom Participation Behavior Guidelines:
1) Follow directions the first time they are given.
2) Take advantage of the entire learning period. Be seated and prepared to work at the bell.
3) Your notebook, paper, and pencil should be brought to class daily.
4) Being tardy and/or delays interfere with learning and instruction.
5) Do not interfere with other students' learning:
    a) Allow those who are speaking to speak without interruption.
    b) Remain seated unless instructed otherwise.
    c) Sharpen pencils only when someone is not talking, especially during teacher presentations.
    d) Refrain from personal grooming (i.e. makeup, nail polish, hair combing, etc.).
    e) Be attentive during instruction - no heads down!
    f) Be an active participant and contribute positively in any group to which you are assigned.
6) Speak respectfully to all others in the room.
7) Keep your personal workspace neat. Clean up around your desk before leaving class each day.
8) No food, drinks, or candy allowed in class. Only water bottles will be allowed.
9) No electronics unless approved by the teacher for instructional purposes.

Consequences:
Please see student handbook for a detailed description.

Parent Communication and Resources:
I will use our class website to post classroom materials. The class website is <u>www.hirschmath.weebly.com</u>. I will also use Remind101 to remind parents and students of upcoming events and assignments due. It would be helpful for **BOTH** parents and students to subscribe. Please subscribe by texting @hirschmath to 81010.

Good Luck and I am looking forward to working with each of you this semester.

After you and your parents/guardians have read the Analytic Geometry syllabus, please sign this sheet and return it to Ms. Hirsch. Please keep the first 2 pages for your records.

_____   _____

Student Name (Printed)   **Class Period**

_____   _____

Student's Signature   **Date Signed**

****

_____   _____

Parent / Guardian's Name (Printed)   **Parent / Guardian's Signature**

_____   _____

Parent / Guardian's Home Phone Number   **Date Signed**

_____   _____

Parent / Guardian's Cell Phone Number   **Parent / Guardian's Email Address**

Parent / Guardian's Concerns or other information you would like to provide:

_____

_____

Student Questionaire:

Are you able to access the internet outside of school? **Y / N**

Do you have a Wi-Fi compatible mobile device? **Y / N**

If yes, what device(s) do you have available for use: _____

_____

_____