Teacher Louise Y. L. Phillips, 229 225-5050, ext. 139
lphillips@thomas.k12.ga.us

Syllabus Disclaimer
A syllabus is not a contract between teacher and student, but rather a guide to course procedures on attendance, participation, requirements, grading, goals and objectives. The mathematics department reserves the right to amend the syllabus when necessary to best fulfill the course objectives. Students will be duly notified.

Course Description
This is the second in a sequence of mathematics courses designed to ensure that students are prepared to take higher-level mathematics courses during their high school career, including Advanced Placement Calculus AB, Advanced Placement Calculus BC, and Advanced Placement Statistics.

This course requires that students:

- Extend the properties of exponents to rational exponents
- Use properties of rational and irrational numbers; perform arithmetic operations with complex numbers
- Perform arithmetic operations on polynomials
- Use complex numbers in polynomial identities and equations
- Interpret the structure of expressions; write expressions in equivalent forms to solve problems
- Understand the relationship between zeros and factors of polynomials
- Use polynomial identities to solve problems
- Rewrite rational expressions
- Create equations that describe numbers or relationships
- Understand solving equations as a process of reasoning and explain the reasoning
- Solve equations and inequalities in one variable
- Solve systems of equations; represent and solve equations and inequalities graphically
- Interpret functions that arise in applications in terms of the context; analyze functions using different representations
- Build a function that models a relationship between two quantities; build new functions from existing functions
- Construct and compare linear, quadratic, and exponential models and solve problems
- Extend the domain of trigonometric functions using the unit circle
- Model periodic phenomena with trigonometric functions
- Prove and apply trigonometric identities
- Translate between the geometric description and the equation for a conic section
- Use coordinates to prove simple geometric theorems algebraically
- Visualize relationships between two-dimensional and three-dimensional objects;
- Apply geometric concepts in modeling situations
- Summarize, represent, and interpret data on a single count or measurement variable
- Summarize, represent, and interpret data on two categorical and quantitative variables
- Understand and evaluate random processes underlying statistical experiments
- Make inferences and justify conclusions from sample surveys, experiments, and observational studies

Course Prerequisite
Successful completion of CCGPS Accelerated Coordinate Algebra/Analytic Geometry A

GPS Standards
The course standards can be found at www.georgiastandards.org.

Accelerated CCGPS Coordinate Algebra/Analytic Geometry A Units
Unit 6: Similarity, Congruence, and Proofs
Unit 7: Right Triangle Trigonometry
Unit 8: Circles and Volume

Accelerated CCGPS Geometry B/Advanced Algebra Units
Unit 1: Extending the Number System
Unit 2: Quadratic Functions
Unit 3: Modeling Geometry
Unit 4: Application of Probability
Unit 5: Inferences and Conclusions from Data
Unit 6: Polynomial Functions
Unit 7: Rational and Radical Relationships
Unit 8: Exponential and Logarithms
Unit 9: Trigonometric Functions
Unit 10: Mathematical Modeling

Evaluation of Student Work

		Grading Scale	
Daily Assignments	25%		
Quizzes	30%	A	90 - 100
Tests	35%	B	80 - 89
Benchmark	10%	C	70 – 79
	100%	F	Below 70

CCGPS Accelerated Analytic Geometry has a state-mandated EOCT. This test will count 20% of the yearly average. The test is scheduled to be taken May 20, 2014.

Textbook/Materials Used In the Classroom
CCGPS Coordinate Algebra/Analytic Geometry A and CCGPS Accelerated Analytic Geometry B/Advanced Algebra Frameworks; Scientific and/or Graphing calculator; Graph Paper

Availability for Extra Help
I will be available for tutoring on Tuesdays and Wednesday from 3:15 until 4:00. If you are having difficulty understanding material, please do not wait until just before a test to come in for assistance. Do so immediately. I am available on other days; however, I ask that you check with me prior to coming in, so I can verify that I do not have a previously scheduled meeting. Your time is valuable and I do not want you to waste it by waiting for me when I have a previously scheduled meeting to attend.

Supplies/Notebook

A one and a half or two-inch three-ring binder (notebook) with five dividers is needed for this class. The dividers should be labeled as follows: (1) Syllabus and Standards, (2) Activating Strategies/Bell Ringers, (3) Notes/Graphic Organizers, (4) Daily Assignments (Practice exercises/Tasks and Projects), and (5) Quizzes/Tests.

Notebook Reminders

1. The Cornell Notes format is strongly encouraged.
2. Keep all notes and practice problems neatly in the order given.
3. Use *pencils only*. Work written in ink will not be accepted.
4. Daily assignments should be done on a separate sheet from notes. Label the assignment with your name, topic, date, and period in the upper right hand corner of the each sheet of paper.
5. You may clean out your notebook each nine weeks, but successful students will save notes to study for exams and the End-of-Course Test (EOCT).

Writing Across the Curriculum

Writing is a powerful mode of learning. When students are able to write about the content being taught, they have a better understanding of the materials and can retain the information longer. All students will be required to respond to at least 2 constructive response questions each nine weeks using complete sentences.

Constructed response questions are increasingly used on standardized tests ranging from the statewide assessments that usually begin in third grade all the way up to the college placement exams such as the SAT and ACT. To understand and answer the constructed response question, memorize the acronym "RACES" - this stands for reword, answer, cite, explain, and summarize. If you are able to restate a question, provide an answer using evidence cited from the prompt given, and then explain how that evidence does, in fact, support the answer, you will probably score well on the constructed response section of any exam you take.

Performance Tasks

Tasks/projects will be done alone, in pairs, and in groups during each unit. These tasks/projects will be used as a tool to help you acquire the math content in the course. You will be asked to present your work during class.

Homework

Like the performance tasks, homework will be assigned daily as a tool to help you to acquire math content, develop confidence in problem solving, and develop your math skills. Students are expected to show all work. Homework will be graded. Other means of checking homework for accuracy and completion are also possible.

Makeup Work and Attendance

Attendance is an extremely important part of class. Your success depends on your being in class every day. It is the student's responsibility to get the notes and assignment that are missed when absent. An excused absence does not excuse the work. If you are absent, you will follow the TCCHS policy regarding makeup assignments.

Recovery Policy for the Classroom

Assessments are used to gauge the level of mastery within a given time frame. For this reason, if a major unit summative assessment ("test") grade is higher than its corresponding unit formative assessment ("quiz"), the test grade can replace the quiz grade because it would demonstrate an increase in the level of mastery within the allowable time frame.

Test Preparation Across the Curriculum
Formative and summative evaluations will contain ACT/SAT formatted questions.

Reading in the Content Areas
All students will be required to read an assigned novel in math during the school year.

Progress Reports
Keep all papers handed to you in the appropriate place in your notebook. Keep a record of your grade as you receive them. A written grade report will be provided by the teacher each nine weeks.

Infinite Campus
The teacher will update grades in Infinite Campus weekly. Unit tests will be entered into in Infinite Campus to show when they will be given once the dates have been announced in class. Infinite Campus is a software program that links parents and teachers by allowing parents to access their student's grade and attendance. All parents are encouraged to register for this service. Additional information is available in the Guidance Office.

Classroom Rules
Rules are necessary whenever a group of people work together. Knowing what is expected of you should make class easier for everyone. You are expected to know all of this information after the first day of school. Please refer to the *Student Handbook* for additional rules and regulations.

Class Rules
1. Be in your assigned seat and begin working on the Bell Ringer/Warm Up *before* the tardy bell rings.
2. Bring your notebook, paper, calculator and pencils to class daily. You will not be excused to get them.
3. Students are expected to conduct themselves in an appropriate manner at all times as outlined in the TCCHS Student's Handbook. Discipline for unacceptable behavior and tardies will be dealt with as described in the handbook.
4. TCCHS does not permit students to leave class during the first 10 minutes or the last 10 minutes of each class period. Try to take care of all personal needs before coming to class. Be sure to visit the restroom and water fountain between classes.
5. Do *not* adjust or touch the air-conditioning thermostat.
6. Do *not* touch the teacher's desk, papers, or personal belongings.
7. Keep your work area clean and neat.
8. Respect the rights and property of others. Refrain from the following: verbal and physical abuse; vandalism; inappropriate touching; disrupting the learning of other students; taking the property of others; talking during announcements, *News 4 You*, while the teacher is talking, or when someone comes to the door.
9. *Do not cheat*. Anyone caught cheating in any way at any time will receive a zero on that activity or assignment. Remember, the inappropriate giving or receiving of information is cheating.

10. *No* gum chewing, eating, or drinking is allowed in class.
11. Cell phones and other electronic devices are permitted on the premises, but not allowed in the classroom. Any student caught using an unauthorized electronic devise during school hours will have their devise confiscated.
12. The teacher, not the bell, dismisses you.

Consequences for failing to follow class rules will result in a phone call to your parents, a teacher detention, and ultimately a referral to an administrator.

REMIND101 instructions

This year we are integrating a way to let parents and students know when projects and important assignments are due. You will be able to receive a text message from our classes if you or your child signs up for remind101.

What is remind101?
Remind101 is a website that provides a safe way for teachers to text message or email students and parents without exchanging personal phone numbers. The service is free but standard messaging rates do apply. If you have an unlimited text plan from your phone carrier than you do not pay anything. The only time you pay is when you have exceeded the maximum amount of "texting" minutes according to your personal phone plan.

How does remind101 work?
First, we will share a code with students or parents. At that point, any student or parent who sends a text message with the code will be "subscribed" to the class. Any time we send a message from remind101, all the students or parents subscribed will receive it.

How do students/parents sign up?
Students and parents sign up for notifications by sending a text message with our class code (example: text @code to 555-555-5555).

If you would like to get texts from **Ms. Phillips' class**:

Send a **text** message to: **(310) 341- 0410**

in the message box write:
@accanal
Press to send **or**

Email accanal@mail.remind101.com

You will receive a message back asking for a reply back with your full name. After replying back, you will then be subscribed.

If you want to ever unsubscribe, text the word **unsubscribe** to the same number. For questions, please see www.remind101.com/faq

Student name (printed, last name first) _____

Please read and sign the following and have a parent or guardian read and sign it as well before returning it to Ms. Phillips.

I have received and read a copy of the syllabus during the first week of enrollment in this class. I understand the expectations and responsibilities. Should assistance be needed in obtaining any of these supplies, I will contact Ms. Phillips. Otherwise, it is assumed that each student will come to class daily with all of the supplies listed. Materials will not be loaned; all students must bring their notebook/paper, pencil, calculator and textbook to class daily.

Parent/Guardian Acknowledgement Section

_____ _____ _____

Print Name Signature Date

Cell: ( ) - Work: ( ) - Home: ( ) -

_____

Email Address (es)

Questions/Comments/Concerns: ☐ Check box if you wish to be contacted about what is written below

Student Acknowledgement Section

_____ _____ _____

Print Name Signature Date

Cell: ( ) -

_____

Email Address *(optional)*

Questions/Comments/Concerns: ☐ Check box if you wish to be contacted about what is written below