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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

Pre-Calculus focuses on standards to prepare students for a more intense study of mathematics. The critical areas organized in eight units delve deeper into content from previous courses. The study of circles and parabolas is extended to include other conics such as ellipses and hyperbolas. Trigonometric functions are introduced and developed to include inverses, general triangles and identities. Matrices provide an organizational structure in which to represent and solve complex problems. Students expand the concepts of complex numbers and the coordinate plane to represent and operate upon vectors. Probability rounds out the course using counting methods, including their use in making and evaluating decisions. 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.

Course Prerequisite

Successful completion of Advanced Algebra

Georgia Performance Standards

The course standards for Pre-Calculus can be found at <https://www.georgiastandards.org/Common-Core/Pages/Math-9-12.aspx>.

CCGPS Pre-Calculus Units

- Unit 1: Introduction to Trigonometric Functions
- Unit 2: Trigonometric Functions
- Unit 3: Trigonometry of General Triangles
- Unit 4: Trigonometric Identities
- Unit 5: Matrices
- Unit 6: Conics
- Unit 7: Vectors
- Unit 8 Probability

Evaluation of Student Work

Benchmark	20%	<i>Grading Scale</i>	
Tasks/Projects	20%	A	90 - 100
Daily	30%	B	80 - 89
Tests	30%	C	70 - 79
	100%	F	Below 70

Textbook/Materials Used In the Classroom

CCGPS Pre-calculus Frameworks, Georgia Department of Education; *Pre-calculus with Limits: A Graphing Approach*; Larson, Hostetler and Edwards; Houghton Mifflin Company, 2008, Cost: \$68.67

(If the textbook is stolen, lost or damaged, the student is responsible for the replacement cost of the book.); scientific and/or graphing calculator; graph paper; notebook paper; pencils

Availability for Extra Help

The mathematics department will provide a tutoring schedule during the first week of school. If you are having difficulty understanding material, please do not wait until just before a test to get assistance.

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/ Daily Assignments (Practice exercises/Tasks and Projects), (4) Graded assignments and (5) Quizzes/Tests. Pencils, loose-leaf paper, graph paper, glue sticks, colored pencils/markers, and scissors will also be used in class.

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 paper.**
5. You may clean out your notebook each nine weeks, but successful students will save notes to study for exams and the Georgia Milestones End-of-Course Assessment.

Daily Classroom Procedures

When you first enter the classroom:

1. Make sure you have your notebook, workbook, pencil, calculator and completed assignments. You will not be excused to get them.
2. Turn in your homework.
3. Sit in your assigned seat.
4. Place everything but your instructional materials on the floor.
5. Begin *Do Now* activity while attendance is being taken.

When you leave the classroom:

1. Make sure you have written down the homework.
2. Leave your desk area clean.
3. Place borrowed supplies in the appropriate location.

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** constructed response questions each nine weeks.

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.

Working together on classwork and homework is encouraged, copying is prohibited. Be careful when you ask another student for help. Make sure you understand the solution. Putting an answer on your paper means that you understood that problem and could explain it to the entire class. Please review the school's policy on cheating.

Makeup Work and Attendance

Attendance is an extremely important part of class. Your success depends on your being in class every day. Absent students will have their own individual folder placed in a crate or tub in the back of the classroom. Missing assignments will be placed in the folder. It is the student's responsibility to get the notes and assignment that are missed when absent from this folder. 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. Quizzes will be given on a regular basis. Quizzes may or may not be announced, so be prepared by asking questions if you do not understand something. You must show all work on quizzes to receive full credit.

Tests will be cumulative in nature, so be sure that you keep reviewing prior topics. Daily assignments, quizzes or tests questions will be any combination of constructed response, multiple choice, true/false or matching. You will be given credit only for answers that show work. You will not be given credit for problems with no work, regardless if the answer is correct. The Georgia Department of Education formula sheet will be allowed on all quizzes and tests. You are required to keep all returned tests and quizzes in your notebook. Do not throw away any assignment.

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 grades 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 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 interactive 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 Handbook. Discipline for unacceptable behavior and tardies will be dealt with as described in the *Student 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 unless sanctioned by a classroom teacher as part of an instructional exercise. Any student caught using an unauthorized electronic device during school hours will have his/her device 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.

REMIND (formerly 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 sign up for remind.

What is remind?

Remind 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 then 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 remind 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 229-299-0914).

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

send a **text** message to: **81010**

in the message box write:

@b7tcchs

Press to send or

Email b7tcchs@mail.remind.com

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

To unsubscribe, reply with **unsubscribe** or **unsubscribe@b7tcchs** in the subject line. For additional information, visit remind.com.



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)

Student Acknowledgement Section

Print Name

Signature

Date

Cell: () -

Email Address (*optional*)