

SOUTHLAND COLLEGE PREP CHARTER HS
COURSE SYLLABUS
ALGEBRA 2 TRIGONOMETRY HONORS

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I. COURSE DESCRIPTION

This is a full year, 1-credit course required for graduation that assumes basic mastery of Algebra 1 concepts and does not spend time reviewing. It covers all the topics covered in Algebra 2 but with greater emphasis on the underlying theory of the mathematics involved. This course includes more functional analysis and graphing than Algebra 2. In addition, basic trigonometry is introduced in order to prepare the students for the rigor of Honors Pre-Calculus.

Prerequisite: Algebra 1 & Geometry Honors

II. COURSE GOALS

- A. Explore the skills and strategies underlying mathematics
- B. Establishing number sense and operation skills
- C. Exploring expressions, equations, and functions in the first degree
- D. Exploring quadratic equations and functions
- E. Exploring polynomial expressions, equations, and functions
- F. Exploring advanced functions
- G. Organizing and analyzing data and applying probability
- H. Using matrices to organize data and solve problems

III. INSTRUCTIONAL PHILOSOPHY

Every student can and will master all the required material for preparation for Pre-calculus Honors next year. To achieve this mastery, each student must complete all tasks, be involved in classroom discussions, and seek out assistance on all material that may be more difficult or requiring more reinforcement. Resources will be available to achieve success in this class. To achieve your goal of success in this class, be willing to be frustrated, confused, and struggle with material. Keep in mind that struggle leads to progress. If you do not struggle at new material then you are not making progress in your knowledge and mastery of that material.

IV. MAJOR COURSE PROJECTS AND/OR ASSIGNMENTS

- A. Daily Homework / Class work
- B. 2-3 Quizzes per Unit
- C. Unit Assessments / Tests
- D. Class Participation
- E. Quarterly Accumulated Classroom Warm-Ups

V. ASSESSMENT PLAN

A. Point System

Points are based on size of assignment, level of assessment, and importance of assessment.

B. Grading Scale

Grade	Scale	Description
A	93-100%	Exceeds Expectations; Independent learner; superior work; all work completed on time at an exceptional level of quality and effort;
B	87-92%	Meets Expectations; Semi-independent learner; above average work; all work completed on time; did quality work with a few flaws;
C	78-86%	Passing but does not meet some standards; Dependent learner; average work; most completed on time showing average effort;
D	70-77%	Passing but only meets minimum standards; Dependent learner; average work; most completed on time showing average effort;
F	<69%	Failing, does not meet minimum standards; Failure; does not meet standards or expectations;

C. Components of the Grade

The points you accumulate versus the total points assigned for the quarter determine your quarter grade. A majority of the points will be from Tests, Quizzes, and Daily Homework.

D. Calculation of Semester Grade

1 st quarter grade	40%
2 nd quarter grade	40%
<u>Semester Exam</u>	<u>20%</u>
Final Semester Grade	100%

E. Rework Policy For Assessments

1. Students will be given an opportunity to rework classroom assessments to meet standards if the student scored below a 70%. The student must show that effort has been made to improve. The rework opportunity will be rescinded if a student does not show effort or abuses rework opportunities.
2. If a student chooses to rework an assessment, a 70% is the highest grade that will be given. Deadline will be given for each rework. If the student does not meet the rework deadline, the opportunity will be rescinded.

VI. COURSE REQUIREMENTS

A. Materials: Each In-Class student must bring the following to class daily:

1. Textbook (online, but I'll post pdf copies in Google Classroom)
2. Pen and pencil
3. Texas Instrument Calculator (Ti-83 or Higher)
4. Folder (preferably a 3-ring binder) to hold class work and assessments
5. Graph Paper (Must Have!!!)
6. Highlighters for notes (optional)
7. Bring necessary materials home for Google Meet Days (if necessary)

B. Daily Expectations

1. Keep a folder (electronically too) for class notes, homework, quizzes and tests, etc.
2. Use class time to learn, ask questions and work cooperatively with other students and the teacher (within the proper social distancing guidelines).
3. Complete required homework assignments with diligence and promptness.
4. Present problems in class (with social distancing in mind).
5. Adequately prepare for and complete all quizzes and tests.
6. Complete assigned projects and papers by their due dates.

C. General Homework Expectations

Completion of ALL homework is the most important step to succeeding in this class. If you do not do the homework consistently then you cannot expect to earn a high grade in this class. There will be time to go over homework questions during class time. The purpose is to learn from your mistakes. Homework will be collected each week on Google Classroom and/or in class (pay attention to due dates) and checked for completion. Full credit will not be given unless all work is shown. If you are stuck on a problem, explain or show what work you have attempted. Late work will be accepted for half credit the day after the due date and no credit for more than one day late. The grade book closes to any late work approximately one week before the quarter ends, after that missing assignments remain at zero credit. Most hard copies of missing assignments or handouts will not be available in the classroom this year, due to social distancing and hygiene protocols. You have the same number of days to make up an assignment as the number of days you were absent (absent two days, make up work due in two days.) Turn in all make up work directly to Google Classroom for full credit, or partial credit for late work.

D. Extra Help

We will have built in work days to get help on content as the year goes on. If additional help is needed, please contact me to see what times might be available to get help. Please seek help as soon as you begin experiencing difficulty. I am here to help you learn!

VII. BEHAVIOR EXPECTATIONS

A. Teacher Creed

1. As your teacher I will not tolerate any student in this classroom stopping me from teaching for any reason whatsoever.
2. As your teacher I will not tolerate any student in this classroom stopping another student from learning for any reason whatsoever.
3. As your teacher I will not tolerate any student in this classroom doing anything that is not in the best interest of this class or in your best interest.

B. Classroom Rules/Consequences

1. All school rules, stated in your student handbook, will be enforced.
2. You are expected to participate in discussions and to answer, when called upon, and to be attentive to material being presented. Be an active member of this class.
3. Be prepared and on time for class and Google Meet sessions. Tardiness will not be tolerated.
4. Be respectful to others and their property.
5. Be respectful of the opinions, input, and goals of your classmates and teacher.
6. NO food or drinks are allowed in classroom at any time!
7. Electronics (i.e. cell phones or any devices not issued by Southland) are not permitted in class. If you bring an electronic device to class, it will be taken to office and cannot be retrieved until a parent comes to school to pick it up.
8. I dismiss you from class, not the bell. Please stay in your seat until the bell rings. No lining up at the door.

VIII. PARENT COMMUNICATION

Strong parent-teacher communication is key to student success in the classroom. This syllabus (outlining course requirements and student behavior) is posted here on Google Classroom, to give a clear view of the expectations and responsibilities in class and online. Progress and grade reports are sent home and parents are also contacted by phone, email, or letter when necessary. You may reach me by phone to leave a message at 708-748-8105 or by email at bwales@scphs.org. I recommend trying to reach me by email first, it's the quickest way to get my attention on any urgent issue or concern.

Please fill out the Syllabus Acknowledgement Google Form for this syllabus by Monday, August 21, 2023 to indicate that you and your student have received and read the syllabus & rules for Algebra 2 Trig Honors. Also, please indicate clearly what the best parental contact method will be for you this year.