Course Description:
AC Pre-Calculus focuses on standards to prepare students for a more intense study of mathematics. The critical areas organized in nine 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 further 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.

A Detailed listing of AC Precalculus Standards can be found at:
Standards:  https://www.georgiastandards.org/Georgia-Standards/Frameworks/Acc-Pre-Calculus-Standards.pdf
Course Overview:  https://www.georgiastandards.org/Georgia-Standards/Frameworks/Acc-Pre-Calculus-Comprehensive-Course-Overview.pdf

Course Outline:
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Expectation of Accountability:
AC Precalculus is a rigor course and requires a great deal of studying outside of class. Properties, formulas, theorems and process must be studied and practiced. The Math Department at Veterans High works hard to provide resources and opportunities for students to receive additional help and remediation to ensure content mastery. While teachers can strongly encourage students to take advantage of these opportunities, it is the student’s responsibility to take full advantage of them.

Grading Policy: Per Houston County Board of Education policy, each student’s average will be calculated as follows:
- Major Assessments= 45%
- Minor Assessments= 20%
- Daily Work = 15%
- Final Assessment* = 20%

*This course includes a cumulative final exam at the end of each semester.

Infinite Campus: Student grades can be monitored by checking Infinite Campus regularly. Parents and students have access to Infinite Campus.

Test Retake Policy: Students will be allowed to retake two unit tests per semester. In order to be eligible for a retake, students will need to correct each missed problem on a separate sheet of paper accompanied by an explanation of the concept being assessed. Students must obtain a parent signature next to the grade on the test. I will review the test corrections to ensure they are correct and that the student is now prepared to demonstrate improved mastery of the content by taking the test retake. Retakes must be finished in a single sitting.

Homework/Daily Work Policy: In order to succeed in any math class, students must practice! Practice problems will be assigned on a daily basis. Students are expected to attempt each problem and show all work to receive full credit. If students have difficulty completing their practice work, they must reach out for help before the due date. If the student is not prepared to turn in their completed assignment when it is due, a zero will be assigned.

Remediation/Enrichment/Make-Up work may be completed during SOAR period or before and/or after school.

Chromebook: All students are issued a district-provided chrome book for instructional purposes, student engagement, and student learning. Chrome book use is at the direction and discretion of the classroom teacher.
**Supplies:** To limit the spread of germs, sharing of community classroom supplies will not be permitted. Students must be prepared on a daily basis by bringing to class with them their own personal materials, including:

- Paper
- 3-ring binder
- Graph Paper
- Class Assignments
- Pencils and erasers
- TI-84 Graphing Calculator*

* If any student who does not have his/her own calculator, he/she may check one out from Dr. Ma.

**Classroom Rules:**

1. Students will show RESPECT for all people and property at all times.
2. Students will be punctual. The tardy policy in the VHS Student Handbook will be followed.
3. Students will be prepared for class and ready to learn when the tardy bell rings.
4. All rules, policies and procedures in the VHS Student Handbook will be upheld.
   I FOLLOW RULES!!!! I EXPECT YOU TO FOLLOW THEM AS WELL!!!!

**Classroom Consequences:**

1. Reminder of classroom expectations
2. Parent Contact
3. Office Referral

**Bathroom Policy:** Students are expected to use the restroom in between classes. Passes will not be issued during instructional time. Students are expected to be in the classroom where learning takes place.

**Google Classroom:** To encourage blended learning, online assignments will be posted weekly through Google Classroom. At least one Google Classroom assignment per week will be graded and entered in Infinite Campus. Students should be familiar with how to navigate the online platform, communicate with their teacher, and submit assignments on time. If there are technology limitations, please notify the teacher.

**Accessing Google Classroom:**

**Step One:** Go to the county’s website and click on SSO Portal.
Or, use this link: [https://portal.hcbe.net/_auth/Login.aspx?ru=L3Nzby9wb3J0YWw=](https://portal.hcbe.net/_auth/Login.aspx?ru=L3Nzby9wb3J0YWw=)

**Step Two:** Students should sign in using their school/county username and password. If you have questions on your username and password, please ask your teacher.

**Step Three:** Students should click on the Google Classroom app.

**Step Four:** When students initially sign into Google Classroom, they should see several “classrooms.” Simply click on “JOIN” for each class. Let’s get to work! 😊
AC Precalculus
Dr. Ma
2022-2023

By signing below I acknowledge that I received, read, and understand Dr. Ma’s AC Precalculus Syllabus.

Student:

________________________________   _________________
Student Name (Print)        Class Period

________________________________   __________________________________
Student Signature     Student email

Parent/Guardian:

________________________________   __________________________________
Parent/Guardian Name (Print)       Parent/Guardian Phone Number*
* Please include your email address and the best phone number at which to contact you after 3:00 pm.

________________________________   __________________________________
Parent/Guardian Signature    Parent email