

Pre-AP Precalculus

Colorado River Collegiate Academy 2018-2019

Teacher: Paul Ford

Room: Class 1501 (it's cold, bring a jacket)

Email: pford@bisdx.org

Office Hours/Tutoring: 8:00-8:35 am Everyday
4:10-5:00 pm Everyday (check with me first to make sure)

COURSE DESCRIPTION: This course is designed to further develop concepts introduced in Algebra 2 and Geometry and introduce material that will be pertinent for any Calculus class. It is also very similar to the College Algebra/Trigonometry course sequence and will serve as support for students in those classes. Specific topics listed on page 3.

RESOURCES:

- **Google Classroom** Everything you need for our class will be uploaded onto our google classroom site.

Go to <https://classroom.google.com>. Login or register with your google account.

Enter the class code to join:

- **Textbook:** We will not follow the district Precalculus book however some students may want a copy for extra examples and clarification. We have both hard copies and digital access available. Let me know if you would like to check out a hard copy for the school year, otherwise they will be available in my classroom at all times.
- **ME:** My job is to be your ally and guide in getting through this and your subsequent math classes. Come by my class during office hours, tutorials or after school and we will work until you get it. This class is difficult but **everyone** can pass it, we just need to work hard and find the right tools for you.

MATERIALS: Students are expected to come to class ready to do work and learn. Class starts when the bell rings and if you aren't prepared your grade will suffer. Students will be responsible for bringing a pen, a pencil, an eraser, a notebook and loose paper dedicated solely to notes and work for Precalculus. Students should have their laptops charged and ready to use or have a charger with them. Not having your laptop is not an excuse for not completing an assignment.

GRADES: Your daily average for each **six-week** period will be based on the following;

Academic Achievement **60%**

unit tests, projects, and quizzes

Academic Practice **40%**

homework, warmup, classwork, participation

BISD's district policy is to include at least 3 major grades, and 7 practice grades in any given 6-week grading period. These are minimum standards, and there *will likely* be more assignments. Students' grades will be updated regularly in Skyward. This should assist both students and parents in keeping informed of the student's progress in the course. Missing or incomplete assignments will be put into Skyward using the following system:

- A grade of a "1" in Skyward indicates that an assignment is missing or not turned in.
- A grade of a "2" in Skyward indicates that a student was absent for a given assignment, and has not yet come in to make up that assignment.
- A grade of a "0" in Skyward indicates that a student was in violation of academic honesty policy and will not be able to make up the work.

In addition to the regular six weeks grades there will be a **cumulative** exam at the end of each semester that will count as **20%** of the **semester grade**.

HOMEWORK: Homework will be assigned for every class day and is due at the beginning of the next class period, unless otherwise stated. Late work will be accepted within a reasonable window (within the same week), and penalized 10 pts per day.

MAKE-UP WORK: It is the student's responsibility to make their best effort to keep up with the class in terms of content and daily work.

For unforeseen circumstances like illness or family emergencies: Missed work will be due the **next** class period.

For pre-arranged excused absences like field trips or planned family trips: If a student knows in advance that s/he will be missing class, s/he will have to do in-class work without the benefit of their group. If a student knows s/he will miss an assessment, s/he must make arrangements to take it before the absence.

Exceptions may be made for extended, excused absences and other special circumstances at the discretion of the teacher.

RETESTING: Students who score below **70%** on a test are **required** to do corrections and take a retest during a tutorial. The retest will be scheduled within one week of the failed test. Before a retest can be taken, the student must attend at least one (more if I decide it is necessary) tutoring session. The final grade will be the average of the original and retaken exams.

TUTORIALS: Students are **highly encouraged** to ask for help **ASAP** when difficulty with a topic is discovered. All topics in our class will build on previous material which can cause a snowball effect for students who struggle with something and don't address it immediately. It is foolhardy to wait until the day of a test to seek assistance.

Circumstances **requiring** morning/lunch/after school tutorials include but are not limited to when a student's class grade is below 70, if they have more than 2 missing assignments, if they have failed a major grade, or if the teacher is concerned about their ability to pass the class.

TARDINESS: A student will be considered tardy if they are not in the classroom, seated, and working on the warm-up quiz by the time the bell rings. On the 3rd tardy in a given semester, a call will be made to the student's parent/guardian. Additional tardies within a given semester may result in a call home, conference with parent, and/or an assignment to afterschool tutorial periods.

TECHNOLOGY POLICY: Cell phones will be turned to silent and put in the student's backpack (not pocket) before entering the classroom. Students may get one warning for violation of this policy after which the phone will be taken up and returned at the end of the period. Laptops will only be brought out and used when the teacher informs students that it is acceptable.

ACADEMIC INTEGRITY:

Cheating on any assignment, whether it is an individual or group work, daily or major grade, will not be tolerated. Cheating on any assignment will result in a grade of zero given for that assignment. Cheating can be copying, giving someone the answers, or completing someone's work for them. Any type of communication (talking, texting, signaling) during a quiz or exam is considered cheating. Plagiarism on projects will not be tolerated. All sources used on projects must be cited.

TOPICS TO LOOK FORWARD TO:

- Unit 01: Graphs, Attributes, and Applications of Functions
- Unit 02: Composition and Inverses of Functions
- Unit 03: Polynomial and Power Functions, Equations, and Inequalities
- Unit 04: Rational Functions, Equations, and Inequalities
- Unit 05: Exponential and Logarithmic Functions and Equations
- Unit 06: Sequences, Series, and Binomial Expansion
- Unit 07: Problem Solving with Trigonometric Ratios
- Unit 08: Trigonometric Functions
- Unit 09: Trigonometric Equations and Identities
- Unit 10: Vectors
- Unit 11: Parametric Equations
- Unit 12: Polar Equations
- Unit 13: Conics

Acknowledgement of Receipt of Pre-AP Precalculus Syllabus

Student Name (Please print): _____

Parent/Guardian Name (Please print): _____

Parent/Guardian Contact Info:

⇒ Home number: _____ The best time to call is: _____

⇒ Work or Mobile: _____

⇒ Parent/Guardian Email Address: _____

Primary language at home: English Spanish Other: _____

Signatures:

By signing below, both the student and parent/guardian agree that they have received and understand the syllabus for Pre-AP Precalculus and agree to the expectations of the course.

Student Signature: _____

Parent/Guardian Signature: _____

Upon completion, please return this page to the instructor.