AP Calculus AB 2017-18

Instructor: Rachael Parkey   **Email:** rparkey@cameronschools.org
Phone: 816-882-1036 ext. 1080   **Website:** https://chsdragonmath.weebly.com

Plan Time: 6th Period 1:21 –2:08, Gold Day Block 1:33 –3:00

Course Description:
AP Calculus AB is a full year of calculus comparable to calculus classes taught at the university level. It is my expectation that students will prepare for and take the AP exam given in May and will seek credit from their prospective colleges and universities. This course will help students prepare for further mathematical studies. Content will include four key concepts: prerequisites (trigonometry and functions); limits and continuity; derivatives and their applications; and integrals and their applications. AP Calculus AB will emphasize a "multi-representational approach", the concepts will be discussed and expressed geometrically, numerically, analytically, and verbally. Graphing calculators will be used regularly to help make connections between concepts.

Textbook
Larson, R., & Edwards, B. (2010). *Calculus of a single variable: Ap edition*. S.l.: Brooks Cole.

Materials
Pencil *(All work needs to be completed in pencil.)*
Three-ring binder
Notebook paper *or* spiral notebook (for assignments)
Graphing Calculator (TI-84 Plus) Purchasing the graphing calculator is highly encouraged for use on daily assignments, class work, quizzes, tests, and the AP Calculus AB exam. There will be a limited supply of graphing calculators available in class.

Grading:
Student grades will be based upon the weighted categories and scale as follows:

Assignments	*10% of semester grade*
Quizzes	*25% of semester grade*
Tests (Cumulative)	*50% of semester grade*
Final Exam (Cumulative)	*15% of semester grade*

Grading Policy:
- Students are expected to complete all assignments on time. Not all assignments will be taken for a grade.
- Missing or late assignments will result in a ZAP per building policy (see student planner).
- All quizzes and exams must be completed on or before the date scheduled. **Once a student begins a quiz or test they must finish the exam in the same sitting.**
- If a student misses a class date on which an exam will be given, the student may make arrangements to take the exam in advance. In rare cases, and at the instructor's discretion, make up exams may be given should a genuine emergency or illness occur.

Retake Policy:
Tests and final exams cannot be redone; students have one attempt to do their best. Retakes of assignments/quizzes will be addressed on a case-by- case basis. Students will only be allowed to retake for extenuating circumstances. Any allowed retake must be completed before the chapter test.

The school district policy will be used to determine final grades. (See student handbook)

Make-Up Work:
Make-up work is your responsibility. If you are going to be absent due to a scheduled activity you must get your assignment before you leave so it will be completed when you return. We will move very quickly through the content and it is important not to let yourself fall behind. Please pick up absent work before or after school, **NOT** during class.

Communications:
During the school year I may be reached by phone or e-mail. E-mail is the quickest way to communicate with me. I also have a website at https://chsdragonmath.weebly.com. The website has useful links, videos, and other information I want to communicate with students and parents. Please check this site regularly.

I send text message reminders with upcoming test dates and any other information I deem important. If you would like to receive these text messages please see the attached sheet and follow all directions.

It is my privilege to assist you in your learning. To be successful in my class, it is important that you do not hesitate to ask for assistance. If you do not understand any part of the lesson, it is YOUR RESPONSIBILITY to ask for help. It is YOUR RESPONSIBILITY to hand in your assignments on time, participate in class, and be successful in this class.

Hints for Success:
1. Please ask specific questions when you don't understand a concept. I encourage you to ask questions during class.
2. Work on problems on a daily basis. Mathematics is a subject that is best learned when it is performed on a regular basis.
3. Ask for assistance whenever needed. I am available every day during *DRAGON TIME*, before school, and most days after school.
4. Come with a positive attitude.
5. Be on time and ready to learn- Be PROMPT!
   Come to class on time and prepared to learn. When you enter the room find your seat and start preparing your notebook for the day.
6. Cell Phone Use- Cell phones must be out of sight and set to silent or turned off during class time so they do not become a distraction.

Classroom Expectations:
Students are expected to follow all school rules **-** (See Student Planner)

Behavioral Consequences:
1st Offense: Teacher warning and documentation
2nd Offense: Student will serve after school detention the next day or when stated by the teacher.
3rd Offense: Discipline Referral Form to office
Additional or Severe Offenses: See Student Planner

I reserve the right to advance through the above steps more quickly in the event of repeated and/or severe offenses. Severe offenses result in immediate administrator involvement.

AP Calculus is a challenging course. I will work hard to help you learn the material and I expect you to work hard to learn it.