Welcome to La Cueva High School! My name is Kimberly Conell and I will be your son or daughter’s Calculus BC teacher. I have a bachelor’s degree in Electrical Engineering, and a Master’s degree in Secondary Education. I worked in the engineering field for several years designing and developing computer and communication systems before my children were born at which time I elected to be a full-time mother. My practical experience applying math to real life situations enables me to demonstrate to students the real-life applications and importance of math as building block to understanding the world around us.

I firmly believe that every student has the right to learn in a positive environment with minimal disruptions, therefore, I expect students to come to class prepared to learn, and ready to respect themselves and others around them. My classroom management plan is based on a partnership approach between parents, students, administration, and myself. I follow the school discipline policy which may be found in the student handbook.

I look forward to a year of learning, growing, and getting to know both you and your students. If you have any concerns or questions do not hesitate to contact me. My door is always open and I appreciate parent involvement and recognize that parents are the best motivators for student success.

Course description: The curriculum for AP Calculus BC is based on the goals and curriculum guidelines set by the College Board Advanced Placement Program. AP Calculus BC extends the concepts of limits, differentiation, and integration studied in AP Calculus AB to include sequences, infinite series, and parametric, polar, and vector valued functions. More attention is given to techniques of integration using parts, trigonometric substitution, partial fractions, and improper integrals. Additional topics include vector analysis, developed to study lines, planes, and surfaces in 3-dimensional space and /or advanced problem-solving techniques. The course prepares students for the BC level Advanced Placement Exam in Calculus and as a result includes an extensive review of relevant topics.

Estimated curriculum topic outline. (Subject to change based on student performance levels.)

- Indeterminate Forms/L'Hospital's Rule
- Integration by Parts
- Integration by Partial Fractions
- Improper Integrals
- Arc Length/Surface of Revolutions
- Euler's Method
Class Expectations:

Be Prompt

Be Prepared

Be Polite

Be Positive

- Attendance is a very important factor for student success in this class. Important instruction is provided during class and when a student is not present, his/her chance of being successful is reduced. La Cueva attendance policies will be followed in this class.
- Students are considered tardy if they are not seated with class materials ready when the tardy bell rings.
- Completing all assignments on time is necessary for student learning and success. Late assignments are not accepted unless a student has been absent. Absent work must clearly be labeled as absent work.
- If a student is absent from class, assignments are posted in google classroom. It is the student’s responsibility to record the assignment and turn the assignment in for a grade in a timely manner.
- Cheating is putting down answers that are not yours. This includes but is not limited to: copying someone’s assignments, copying answers from the internet, and/or letting someone else copy your work. Students will receive a grade of 0 for cheating and an academic referral will be written for academic dishonesty.
- Free tutoring is available every Wednesday after school in the classroom or by appointment. Students must bring their book and specific questions to tutoring.
- Electronic devices are not permitted during instructional time and will be confiscated and returned to the student at the end of class. If electronic devices are repeatedly used inappropriately in the classroom the devices will be turned into the office for parent pick up.
• Grooming should be done outside of the classroom. Articles used for grooming during class time will be confiscated and returned at the end of class.  
• No gum, no food, no drinks (except water) allowed in the classroom.

Supplies:
3-ring binder (for math use only)       Composition book  
Loose leaf paper       Pencils/Red pens/Highlighter  
Graph paper       Kleenex  

**TI Nspire CX or another suitable graphing calculator required**

Grading Policy:
Six, twelve, and eighteen weeks’ grades are determined as follows:

Chapter Exams/Projects       70%
Homework/Classwork       10%
Quizzes       20%

Student grades are cumulative. The final semester grade is calculated using the 18 week grade weighted at 80% and the final semester exam weighted at 20%.

Parents are encouraged to use Synergy to track their student’s daily academic progress.

Grading Scale:
90-100 =A
80-89 =B
70-79 =C
60-69 =D
<60 =F

Updated grades are posted and graphed by students in the classroom every Monday to track academic progress. Parents/students may request grades at any time.

MARK YOUR CALENDARS

AP CALCULUS BC EXAM

Tuesday, May 14
PARENT/GUARDIAN SIGNATURE

I have read the syllabus for AP Calculus BC and understand all of the requirements and expectations contained in the document.

Parent/Guardian (please print)___________________________________________________

Parent/Guardian (signature)______________________________________________________

Email address:_________________________________________________________________

STUDENT SIGNATURE:

I have read the syllabus for AP Calculus BC and understand all of the requirements and expectations contained in the document.

Student Name (please print)_____________________________________________________

Student Signature______________________________________________________________