PRE-CALCULUS
MRS. EMILY PARRISH

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📍 VMCCA ROOM 1233

📁 COURSE DESCRIPTION

Pre-Calculus is a semester-long college preparatory course, focused on developing a foundation for Advanced Placement (AP) Calculus. Students will study families of advanced functions, properties of those functions, trigonometry, analytic geometry, and discrete mathematics. This course will be very rigorous and will require students to supplement in-class instruction with out of class research, group study, and independent study. Students will receive honors credit for this course; thus, they should expect an honors workload.

Due to the increased level of rigor and the sheer volume of material, it is imperative that students recognize the significance of completing all homework assignments (including studying) OUTSIDE OF THE CLASS ROOM on a daily basis. This is an ELECTIVE course. It is expected that all students who have elected to take this course are aware of the commitment it requires and are willing to work at whatever level is necessary to excel in this college level mathematics course.

📊 GRADE MAKE-UP

- **QUARTERLY GRADE**

  - PRACTICE/STUDENT WORK   15%
  - QUIZZES   35%
  - UNIT TESTS/PROJECTS   50%

- **SEMESTER GRADE**

  - QUARTER 1   40%
  - QUARTER 2   40%
  - FINAL EXAM   20%

📇 COURSE SUPPLIES

- Reliable computer with internet access
- A workspace where you can focus
- Earbuds or headphones
- Paper and Pencil
- Graphing calculator
(hand-held, online, or phone download)

💡 COURSE RESOURCES

- Canvas Course Webpage
- WCPSS K-12 Mathematics Website
- Delta Math & Khan Academy

🏫 CLASS ATTENDANCE

Your presence (in-person or online) in this class is vital to success in this course. You must be familiar with how to access course content. It is your responsibility to attend live class sessions and to keep up with coursework. Similar to missing a day of in-person instruction, if you miss a live session, it is your responsibility to find out what materials and notes were missed and make up any missed work in a timely manner.

📋 COURSE PROGRESSION

Unit 1 - Functions Review
Unit 2 - Polynomial Functions
Unit 3 - Rational Functions
Unit 4 - Composition & Inverse Functions
Unit 5 - Exponential & Logarithmic Functions
Unit 6 - Trigonometric Functions
Unit 7 - Trigonometric Identities & Laws
Unit 8 - Applications of Trigonometry
Unit 9 - Matricies

👥 SPECIAL NOTE TO ALL

It is imperative that students shows mastery of each objective to proceed to subsequent topics. In order for this to occur, a few things are paramount. Attendance is vital to the mathematical learning process as absences will result in missed class discussion or activities that build conceptual understanding. Practicing is a critical piece as well. It challenges students to use critical thinking and perseverance.

📱 COMMUNICATION

Students must be active in the learning process and must communicate any issues with the teacher as they present themselves. Students have various options for communicating with the teacher. Email will be the primary form of contact and I will do my best to respond to all emails within 24 hours, except on the weekend.
Students should also join the REMIND text group for your course to receive text updates and a means for quick communication between teacher and student.

📈 OFFICE HOURS

Students can schedule a time to meet one-on-one with Mrs. Parrish during scheduled office hours by using the link provided on the Canvas course.