

Precalculus 2018-2019

Kyle Cowan

Room: 238

Contact information: Email: kcowan@eanesisd.net Phone: 512-732-9280 extension 33413

Periods: 2, 3, 5, 6, 8

Tutoring: From 8:10-8:40 each morning in Room 238

Textbook: Pre Calculus with Limits by Larson

Our textbook this year is available as pdf downloads in Google Classroom.

Google Classroom: Code is xyxjv

Course Description and Topics: The primary objective of pre-calculus is to use mathematical concepts as a tool to solve many types of application problems. Pre-calculus is a skill building as well as a problem-solving course. Technology is used as a tool for concept development, solving non-routine application problems, and verifying computations.

Fall Semester

Degree, Radian, Circular Functions
Trigonometric functions
Graphing trigonometric functions
Applications of trigonometry
Inverses of trigonometric functions
Trigonometry equations and identities
Vectors, parametric equations with applications
Polar coordinates and complex numbers
Other enrichment topics sports, biology, etc.
Conic sections

Spring Semester

Functions
Graphing functions
Conic sections
Polynomial functions
Inequalities and linear programming
Exponential and logarithmic functions
Sequences and series
Extensive application problems
Limits and an introduction to calculus

*Pacing subject to change as required

Daily/Homework 10%

There will be homework assignment every night. It is an essential part of learning in any mathematics class. You are responsible to check your homework and ask questions when needed. Use your homework as a way to reinforce your learning. It is to your advantage to do the homework the night it is assigned. While I may not check the HW each day, it is a vital part of your learning. **Always be prepared.**

Quizzes 30%

There are individual and group quizzes regularly. If you perform better on the test for that content, then quiz grades will be replaced.

Tests 60%

Three or more tests will be given each 9-week period. You will take a test if present unless you've had excused absences immediately prior to the test day. All reviews are on the calendar and the answers are posted on the Google Classroom. There are **no retests** given, but there will be a cumulative exam at the end of each quarter which can replace exactly 1 lower test grade.

Supplies:

Required: Writing utensil (pencil preferred), lots of paper for showing work, iPad, graphing calculator (TI preferred)

Optional: 4"x6" Index cards (50 of them) for note spiral, Kleenex for the sniffles season