

Contact

EMAIL:

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REMIIND CODE: @ShawPCalc
@ShawHPCalc (honors)

CLASSROOM: 307

Materials

Composition Notebook (graph paper preferred)
Dedicated Section in a Binder
3-prong Folder

Grades

- **Student Engagement:** Includes: Warm-ups, portfolio checks, class discussions, class preparedness
- **Practice & Application:** Includes: Classwork and homework
- **Assessments:** Includes: Quizzes, tests, projects, RCTs, Midterm and Final

Units

01. Functions Overview
02. Exponential, Logistic, and Logarithmic Functions
03. Trigonometric Functions
04. Vectors (PreCalculus only)
05. Polar Functions (PreCalculus only)
06. Applied Trigonometry (Honors only)
07. Intro to Calculus (Honors only)

COMMITMENT
RESPONSIBILITY
EXCELLENCE
EMPATHY
DIGNITY

Overview

Pre-calculus is a program of mathematical studies combining trigonometric, geometric, and algebraic techniques needed to prepare students for the study of calculus, and strengthens students' conceptual understanding of problems and mathematical reasoning in solving problems. Facility with these topics is especially important for students intending to study calculus, physics, and other sciences, and/or engineering in college. The course will include a study of polynomial, rational, exponential, and logarithmic functions, and with heavy emphasis on trigonometric functions. Emphasis is placed on active participation through modeling, technology, and communication in mathematics.

Responsibilities & Expectations

1. Uphold the Ellington CREED, dress code, and cell phone policy when in class.
2. **Be Prompt.** Be in your seat with your materials ready at the beginning of class. Tardiness interrupts learning, which is unfair to your fellow classmates.
3. **Be Prepared.** Always have your course materials (charged laptop, notebook, writing utensil) with you when you come to class. Be prepared to learn.
4. **Be Patient.** Respect yourself and others. Give your fellow students the time they need to answer questions. Minimize classroom distractions, as they interrupt the learning environment.
5. **Be Persistent.** Everybody learns more when they are actively involved. Make sure you are on task, taking notes, **asking questions**, and working cooperatively with your classmates.
6. Do not let yourself fall behind! This is a fast moving class that builds on itself, so you cannot afford to let a few days go by without doing the homework or attending class. That said, there are many resources for you to achieve your best. Help is out there; it is your responsibility to seek it.
7. Late work (> three days past due date) will be graded twice a term; before progress reports and before end of the term.

*It is not required that students purchase a graphing calculator, however, we strongly encourage that you do. They can be used on the SAT and ACT exams, and will be used in future science and math classrooms both in high school and college. **These are wise investments in a student's education.***