

TRIG/PRE-CALC COURSE SYLLABUS
INSTRUCTOR: MRS. EILEEN MCCLELLAN
2010-11

COURSE DESCRIPTION: This course is designed to give students a basic understanding of Trig/Pre-Calc concepts that they can use in the study of other branches of mathematics in high school and college, in their career choices, or in every day life. The study of Trig/Pre-Calc can strengthen a student's ability to solve problems and help their thinking and reasoning skills.

INSTRUCTIONAL PHILOSOPHY: Students will work independently and in small groups to complete course topics. Instruction will be presented through teacher-directed exploration, notes, lectures, study guides, and board work. This class will be treated as a college preparatory class.

TEXTBOOK: Glencoe—Advanced Mathematical Concepts

CURRICULUM: This course will follow the Ohio State Academic Content Standards

TOPICS COVERED:

- * The Nature of Graphs
- * Polynomial and Rational Function
- * Trigonometric Concepts, Graphs, and Identities
- * Parametric Equations
- * Polar Coordinates and Complex Numbers
- * Exponential and Logarithmic Functions
- * Sequences and Series

Topics covered can vary depending on time limitations.

MATERIALS REQUIRED:

- 3-ring binder or folder with pockets
- loose-leaf notebook paper
- pencil
- scientific calculator (TI 83/84 recommended but not required)

ATTENDANCE POLICY: This class will follow the TCTC Guidelines on attendance found in your Student Handbook. If you have an excused absence, it is your responsibility to show your admit slip and to see me for the assignment. If you miss class due to a school function, your assignment is due and you are expected to get your work for the next day.

GRADING POLICY: Grades are calculated on the point system. This class will follow the TCTC grading policy found in your Student Handbook.

Classwork/Homework—on time and complete Work must be shown to receive credit	10 points/assignment
Tests	100 points

