

TRIGONOMETRY – HONORS
COURSE SYLLABUS
2008 - 2009

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The mission statement of Norwell High School is to provide an engaging, supportive environment where students strive for excellence, practice respect and contribute to society.

Integrity ♦ Learning ♦ Respect ♦ Responsibility

Course: Advanced Mathematics and Trigonometry – Honors

Student work will focus on the following NHS student expectations for learning:

- Adaptable and Self-Directed Learners
- Reflective Problem Solvers
- Effective Writers
- Effective Listeners

Course Expectations:

- Students are expected to be prepared for every class. Students must bring their textbook, 3-ring binder, a graphing calculator, completed homework assignment, and a pen or pencil to every class.
- Students are expected to strive for excellence. Each student must put forth their best effort every day and on every assignment.
- Students are expected to participate in class and ask questions when they are struggling. Students are expected to take notes, ask questions, and stay focused during class.
- Students are expected to complete all assignments and make up missed work in a timely fashion.

Course Skills/ Concepts:

- Problem Solving
- Critical Thinking
- Analysis of Graphs

Major Units:

- Trigonometric Functions
- Trigonometric Identities
- Analytic Trigonometry
- Applications of Trigonometric Functions
- Polar Coordinates
- Vectors
- Systems of Equations and Inequalities
- Sequences; Induction; Counting
- Exponential and Logarithmic Functions
- Review of Algebraic and Geometric Procedures

