

# Falmouth High School

Curriculum Guide

Mathematics Department



Course Number 3901  
Math Workshop  
Developed by Mathematics Teachers  
2007-2008

## Course Rationale

This course provides a review of essential topics in algebra and geometry, necessary for success on the MCAS exam.

## Course Description

**3901 Mathematics Workshop (Semester)**

**Grades 10, 11 2 Elective Credits**

Math Workshop is based on the five math strands in the Massachusetts Frameworks.

Emphasis will be placed on test-taking skills and reading and writing skills. Every effort will be made to tailor the course to the individual needs of the students, based on previous MCAS results.

*Teacher Recommendation Required*

**Standard Math Workshop Text:** Resources from Algebra I, Volume II and Geometry texts

## Content Specific Essential Questions

### Essential Questions

- When is estimation used in finding and checking for a reasonable solution?
- Which strategies are useful in Problem Solving and how do you use them?
- How do the math strands relate to real life situations and how are they evident in our surroundings?
- How do you find and apply mathematical formulas appropriately?

## Student Learning Outcomes

Students will have a solid understanding of:

- Number Sense and Operations
- Data Analysis, Statistics and Probability
- Measurement
- Geometry
- Patterns, Relations and Functions

### Grading Policy

Math Workshop is a Pass/Fail course.

Problem solving and test-taking strategies are stressed.

Students are graded on in-class assessments reflecting the five math strands in the curriculum frameworks, as well as classroom participation.