

**SCHOOL:** Sterling Middle School  
**ADDRESS:** 444 Granite Street  
**PHONE #:** 617-984-8729

**SYLLABUS**

**TEACHER:** Mr. Patrick Lane

**COURSE/GRADE LEVEL:** Eighth Grade Pre-Algebra

**INSTRUCTIONAL MATERIALS:** Math Course 3 Textbook and an optional DVD

**MAJOR TOPICS:**

Exploring Number and Geometric Patterns  
Fraction/Decimal Operations  
English and Metric Measurement Systems  
Ratio, Proportions, and Percents  
Multi-Step Equations  
Mathematical Properties  
Exponents and Square Roots  
Solving and Graphing Inequalities  
Probability and Statistics  
Pythagorean Theorem  
Use of Geometric Formulas-Area, Surface Area, and Volume  
Scientific Notation  
Absolute Value  
Polygons and Transformations  
Integer Operations  
Algebra Word Problem Format: Set-up, Equation, Solve Equation, Answer Question

**ASSESSMENT TOOLS\***

Rubrics  
Performance Tasks  
Tests/Quizzes  
Class Participation  
Homework

**\* See Individual Education Plans or 504 Plans for modification where applicable**

## **HOMEWORK EXPECTATIONS:**

Students should expect homework on a near daily basis covering recently learned material as well as reviewing previous lessons/units. Homework assignments will consist of materials given out in class and/or online assignments that can be accessed from outside the classroom. Students should expect 30 minutes of homework from these various assignments.

All make up work is half credit unless due to an absence.

## **GRADING POLICY**

Tests: 35%

Quizzes/Performance Tasks: 30%

Homework: 25%

Participation: 10%

## **MAKEUP PROCEDURE**

**Homework:** If absent, a student is allowed to make up an assignment until the end of the grading term for full credit. If assignment is not made up, it will result in a zero. A student will also be allowed to make up a missed assignment for half of the original credit.

**Quizzes/Tests:** If a student scores less than 80% on a quiz or a test, he/she must get a parent signature. In addition, the student may also correct mistakes from the test on a separate paper to earn half of the missed points back for an improved grade.

## **GENERAL INFORMATION**

Extra Help is available mornings and most afternoons by appointment.

It is strongly recommended that they bring a book, notebook, folder, pencil, and a TI-30XIIS calculator to class.