

**SCHOOL:** Atlantic Middle School  
**ADDRESS:** 86 Hollis Avenue  
**PHONE #:** (617) 984 – 8727

## **SYLLABUS**

**TEACHER:** Mrs. Thao Nguyen-Ippolito  
**COURSE/GRADE LEVEL:** Pre-Algebra Grade 8, Standard  
**INSTRUCTIONAL MATERIALS:** McDougal Littell Math, Course 3  
On Core Mathematics, Middle School Grade 8

### **MAJOR TOPICS**

#### **The Number System**

- Know that there are numbers that are not rational, and approximate them by rational numbers.

#### **Expressions and Equations**

- Work with radicals and integer exponents.
- Understand the connections between proportional relationships, lines, and linear equations.
- Analyze and solve linear equations and pairs of simultaneous linear equations.

#### **Functions**

- Define, evaluate, and compare functions.
- Use functions to model relationships between quantities.

#### **Geometry**

- Understand congruence and similarity using physical models, transparencies, or geometry software.
- Understand and apply the Pythagorean Theorem.
- Solve real-world and mathematical problems involving volume of cylinders, cones, and spheres.

#### **Statistics and Probability**

- Investigate patterns of association in bivariate data.

### **ASSESSMENT TOOLS**

*Rubrics*  
*Objective Tests/Quizzes*  
*Portfolios*  
*Projects*  
*Exemplars*  
*Group-Work*

*Notebook Test*  
*Take Home Test*  
*Journal Entries*  
*Class Participation/Preparations*  
*Homework*

## **HOMEWORK EXPECTATIONS**

Homework is assigned almost everyday and due on the following day. It will not be accepted late except due to absences. Homework will be graded based on completion not accuracy and as follows:

4	-	<i>Complete, Well-Done</i>
3	-	<i><math>\frac{3}{4}</math> Complete, Good Effort</i>
2	-	<i><math>\frac{1}{2}</math> Done, Fair</i>
1	-	<i><math>\frac{1}{4}</math> Done, Little Effort</i>
0	-	<i>Not Passed In, No-Effort</i>

## **GRADING POLICY**

Each term, your grade will be distributed in the following way:

- 5% Attendance/Participation/Organizing Notebook*
- 10% Preparation (Homework and Bringing Materials Needed)*
- 15% Quizzes (5-7 quizzes)*
- 25% Projects (1-2 projects)*
- 35% Tests/Exams (3-4 tests/Exams)*
- 20% Exemplars/Open Response Questions (1-2 exemplars)*

## **MAKEUP PROCEDURE**

If a student is absent from school, it is his/her responsibility to see Ms. Nguyen upon return to school to find out about any missed class notes and/or homework assignments. Arrangements will be made on an individual basis to take any missed tests. Make-up work is to be done in a reasonable amount of time based on length of absences.

## **GENERAL INFORMATION**

The following items should be brought to class every day:

*Math binder*

*Math notebook*

*Math textbook*

*Agenda book*

*A tool bag that contains the following items: pens, pencils, erasers, highlighters, pencil sharpener, dry-erase marker, glue stick, ruler, and school safety scissors.*

**\*Topics are not necessarily listed in the order they will be taught.**

**\*Adjustments may be made in this syllabus to meet student needs.**