

School: Central Middle School
Address: 1012 Hancock Street
Phone#: 617-984-8725

SYLLABUS

TEACHER: Ms. Tammy Ioanilli

COURSE/GRADE LEVEL: Grade 6 Mathematics

INSRTRUCTIONAL MATERIALS: Houghton Mifflin Math: Proportion, ©2007

MAJOR TOPICS:

Mathematics is a lifelong process in which students achieve Mathematical competence through problem solving, communication, reasoning, and making connections.

Math includes the study of:

- **Number Sense**
- **Place Value and Expanded Notation**
- **Order of Operations**
- **Primes and Composites**
- **Factors and Multiples**
- **Exponents**
- **Basic Understanding of Decimals, Fractions, and Percents**
- **Computation with Decimals, Fractions, and Percents**
- **Estimation and Rounding**
- **Introduction to Integers**

Patterns, Relationships, Functions, and Problem Solving Strategies:

- **Using Systematic Problem Solving Plans**
- **Systems of Linear Measurement**
- **Evaluation of Expressions and Equations**
- **Graphing Coordinate Points**
- **Interpreting Graphs and Tables**
- **Using Manipulatives to Model Equations**

Geometry and Measurement

- **Polygons**
- **Area, Perimeter, Volume**
- **Symmetry & Congruence**
- **Circumference**
- **Coordinate Planes**
- **Tessellating Shapes and Designs**
- **Angles-Measuring and Constructing**

Probability and Statistics

- **Mean, Median, Mode, and Range**
- **Probability**
- **Ratio and Proportion**

ASSESSMENT TOOLS* (The following tools may be used for assessment):

Homework & Participation

Quizzes

Projects

Tests

* See Individual Student Education Plans or 504 Plans for modifications where applicable.

HOMEWORK EXPECTATIONS:

Homework is assigned Monday through Thursday. Assignments should take approximately 15-20 minutes to complete and usually consist of a worksheet or a page from the text. If a student exceeds 25 minutes due to difficulty with the assignment he/she may have a parent/guardian sign the homework and can schedule extra help with the teacher on the following day. All work must be done in pencil.

GRADING POLICY:

The term grade is calculated as listed below:

Homework/Participation: 10%

Quizzes: 25%

Projects: 25%

Tests: 40%

MAKEUP PROCEDURE:

Students are responsible for any missed class notes or assignments. Parents may call the school to pick up work. Work should be made up within a few days of an absence to ensure that the student does not get behind. Extra copies of homework, handouts, and notes will be kept in the classroom, so that upon returning to class students may obtain what they missed. If absent on the day of a test or quiz, students are expected to make-up the test/quiz on the following day either after school or during student support block.

GENERAL INFORMATION/MATERIALS:

Students are expected to come to class everyday on time with the following materials: Spiral notebook, 2 pocket folder, pencils, agenda, & clear communication folder. Textbooks should be covered and can remain at home for the use of completing assignments and studying for tests. A classroom set of textbooks will be available for students to use while in school.