

**SCHOOL:** Broad Meadows  
**ADDRESS:** 50 Calvin R. Quincy, MA 02169  
**PHONE #:** (617) 984-8723

## **SYLLABUS**

**TEACHER:** Mrs. Hanrahan, Mr. Roslonek, Ms. Ioanilli, Ms. Jacques

**COURSE/GRADE LEVEL:** Grade 6 Mathematics

### **INSTRUCTIONAL MATERIALS**

Learning materials in the classroom promote the application of mathematical concepts. The Houghton Mifflin, Proportion Mathematics book and various other appropriate materials are used in the classroom.

### **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
- 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
- Tessalating Shapes and Designs
- Angles – Measuring and Constructing

Probability and Statistics:

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

Throughout the year, students explain their understanding and analysis of mathematical ideas, concepts, and data through both oral and written communication.

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

### **\*ASSESSMENT TOOLS**

Portfolios	Rubrics
Notebooks	Interdisciplinary activities
Teacher observations	Self-grading and evaluations
Projects	Co-operative learning projects
Homework	Writing Assignments
Diagnostic testing	Class Participation
Oral Exams	Open note tests and quizzes
Objective Tests/Quizzes	Word Problems
Exams	Open Ended Questions

**\*See Individual Student Plans or 504 Plans for modification where applicable.**

### **HOMEWORK EXPECTATIONS**

Homework is generally assigned 4 nights per week. In keeping with Quincy's policies, the assignments are designed to take between 15-20 minutes each, but the length of time spent will depend on the individual student. No homework assignment should take more than 30 minutes. If a student is having great difficulty with a certain assignment, we ask that parents make a notation on the page and initialize it. It will not count as a missed or incomplete homework.

### **GRADING POLICY**

At the end of the term, the final grade is based on an average of tests, quizzes, class participation, homework, and classwork.

### **MAKEUP PROCEDURE**

If a student is absent from class for a day, the student can have a "homework buddy" get it, or a parent can ask for it. The student might need an extra day to complete the assignment. If the student is absent for a longer period of time, the work can be collected and a time frame can be decided upon. If a student does poorly and wishes to retake a quiz or test, the test or quiz must be signed first and the retesting time and date will be announced (usually before school).

### **GENERAL INFORMATION**

Students are expected to come to class with the necessary materials and be prepared to work. The math book, a math folder, homework notebook or binder, agenda, and pencil should be brought to class daily unless otherwise directed.

All tests or quizzes are supposed to be signed by a parent.

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