

SCHOOL: Atlantic Middle
ADDRESS: 86 Hollis Ave.
PHONE #: 617-984-8727
SYLLABUS

TEACHER Mrs. A. Cullen

COURSE/GRADE LEVEL Grade Six Mathematics

INSTRUCTIONAL MATERIALS

Houghton Mifflin Math, Connected Math Series, Hands-on-Equations, Exemplars

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 Manipulative 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, 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.

Learning materials in the classroom promote the application of mathematical concepts.

(Hands- On-Equations, Connected Mathematics, Exemplars, and the Larson text.)

ASSESSMENT TOOLS (The following may be used for assessment.)

Portfolios
Rubrics
Teacher observations
MCAS Testing
Self-grading and evaluations
Projects
Notebooks
Open ended questions
Word problems
Open note tests and quizzes
Take home tests/writing assignments
Journal/Diaries
Objective Tests/Quizzes
Exams
Attendance
Class Participation
Homework

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

HOMEWORK EXPECTATIONS

When homework is assigned it is expected to be 100% complete, all necessary work should be shown, and it should be on time. Incomplete homework will not receive full credit. For a major assignment, each day the project is late will result in a deduction of one full letter grade.

GRADING POLICY

Exams 40% Homework 25% Quizzes 25% Class Participation/Attendance 10%

*Poor attendance will negatively affect all of the above grades.

MAKEUP PROCEDURE

The student has one day to turn in a missing assignment. After that time period has past, they will not receive any credit for their work. If a student is absent from school, it is their responsibility to see the teacher, upon their *immediate* return to school, for the missed assignments.

GENERAL INFORMATION

Math pocket folder
Math journal
Math notebook

A tool bag that contains the following items:

Pencils
Erasers
Pens
Highlighters
Ruler
Protractor
Colored pencils
Pencil sharpener

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

****If adjustments need to be made throughout the school year, the parent/guardians will be notified and a new syllabus will be distributed.**