

SCHOOL: Broad Meadows Middle School
ADDRESS: 50 Calvin Road
PHONE #: 617-984-8723

SYLLABUS

TEACHER: Katie Reardon

COURSE/GRADE LEVEL: Integrated Mathematics, Grade 7

INSTRUCTIONAL MATERIALS: *Passport to Mathematics, Book; Mathematics*

MAJOR TOPICS*

Geometry

- Intersecting and Parallel Lines

- Translations

- Perimeter, Circumference, Area

- Squares, Square Roots, and The Pythagorean Theorem

Number Relationships and Fractions

- Order of Operations

- Powers and Exponents

- Divisibility Tests

- Prime Factorization

- Greatest Common Factor

- Simplest Form of Fractions

- Convert Fractions to Decimals

- Order Rational Numbers on a Number Line

Operations with Fractions

- Least Common Multiple

- Mixed Numbers and Improper Fractions

- Addition and Subtraction of Fractions and Mixed Numbers

- Multiplication and Division of Fractions and Mixed Numbers

- The Distributive Property

Ratio and Proportion

- Ratio and Rates

- Solve Proportions

- Solve Problems Using Proportions

Percents and Decimals

- Percent, Fraction, Decimal Equivalents

- Solve Three Types of Percent Problem

- Circle Graphs

Simple Interest

Percent Increase and Percent Decrease

Algebra and Integers

Patterns, Tables and Expressions

Scatter Plots and the Coordinate Plane

Integers and the Number Line

Add Integers on a Number Line

Subtract Integers on a Number Line

Solve Addition and Subtraction Equations

Solve Multiplication and Division Equations

***ASSESSMENT TOOLS**

Tests and Quizzes

Homework

Projects

Notebooks

Interdisciplinary Activities

Open Ended Questions

Word Problems

Class Participation/Assessment

***Modifications will be made where applicable based on Individual Student Education Plans or 504 Plans**

HOMEWORK EXPECTATIONS

Homework is to be done nightly in student's notebook and will be reviewed and corrected in class.

GRADING POLICY

At the end of the term, the final grade is based on the following criteria.

Homework 15%

Tests, Quizzes, Classroom Assessment 45%

Notebook 15%

Projects 15%

Class Participation 10%

MAKEUP PROCEDURE

If a student is absent, the student needs to see me on the day of return to school to receive any make-up work. Arrangements will be made on an individual basis as to when missed tests can be taken. Make-up work is to be done in a reasonable amount of time based on the length of absence.

GENERAL INFORMATION

Students need to have their text, notebook, agenda, and pencil each day for class.

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

