

SCHOOL: Sterling Middle School
ADDRESS: 444 Granite Street
PHONE: 617-984-8729

Syllabus

TEACHER Ms Donna Mullen

COURSE/GRADE LEVEL Integrated Mathematics/Grade 7

INSTRUCTIONAL MATERIALS

MATH, COURSE 2

MAJOR TOPICS*

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

Algebra and Integers

Patterns, Tables, and Expressions

Scatter Plots and the Coordinate Plane

Integers and the Number line

Add and Subtract Integers on a Number Line

Solve Addition and Subtraction Equations

Ratio and Proportions

Ratios and Rate

Solve Proportions

Solve Problems using Proportions

Percents and Decimals

Percent, Fraction, Decimal Equivalent

Solve Three Types of Percent Problems

Circle Graphs

Simple Interest, Percent Increase, and Percent Decrease

Geometry and Spatial Reasoning
Intersecting and Parallel Lines
Translations
Perimeter, Circumference, Area
Squares, Square Roots, and the Pythagorean Theorem

Geometry in Space
Polyhedrons
Surface Area and Volume of a Prism and Cylinder
Similar Prisms

Data Analysis and Statistics
Mean, Median, Histograms, Misleading Graphs
Probability

ASSESSMENT TOOLS

Open ended questions
Word problems
Math Fair Projects (Third Term Only)
Exams
Mid-Chapter Quizzes
Class Participation
Mid Year Exam
Homework

HOMEWORK POLICY

As a result of having math everyday for 55 minutes, homework will usually consist of 20 to 30 minutes of work each night. Homework is assigned Monday through Thursday night. It needs to be neat and orderly. Students are expected to complete their assignments nightly, in order to be prepared for the following day's activities and to receive full credit. If homework is incomplete the student must have the assignment done by the following day to receive partial credit.

GRADING POLICY

Tests 40%
Quizzes 30%
Class Work 10%
Homework 10%
Class Participation 10% (high five)

MAKEUP PROCEDURE

In the event that a student may be absent, he or she should see me to receive any makeup work. A student has one week to turn in any makeup assignments. Following this, the student can still turn in work but only for partial credit. In addition, students are allowed to complete a makeup test unit for a test or quiz that receives a grade below 70. This consists of correcting errors made on the examination and must be completed within a one week period.

GENERAL INFORMATION

Every seventh grade student is required to bring the following materials to class every period: their textbooks, their agenda book for homework assignments, a notebook, a folder for handouts, and pencils.

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