

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

SYLLABUS

TEACHER S. Bell

COURSE/GRADE LEVEL Sixth Grade Mathematics

INSTRUCTIONAL MATERIALS

Houghton Mifflin Math, Exemplars, and Hands-On-Equations

MAJOR TOPICS*

Math includes the study of:

- Number Sense
- Place Value and Expanded Notation
- Order of Operations
- Divisibility Rules
- Primes and Composites
- Factors and Multiples
- Exponents
- Basic Understanding of Decimals, Fractions, and Percents
- Computation with Decimals, Fractions, Percents, and Positive Integers
- 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 and producing Graphs and Tables
- Using Manipulatives to Model Equations

Geometry and Measurement

- Identifying and constructing Polygons
- Identifying three dimensional shapes
- Area, Perimeter, Volume
- Symmetry - Congruence
- Circles
- Coordinate planes
- Tessellating Shapes and Designs
- Transformations

- Angles - Measuring and Constructing
- Identifying points, lines and planes
- Using nets to identify three-dimensional objects

Probability and Statistics

- Mean, Median, Mode, Range
- Probability
- Ratio and Proportion
- Plots and Graphs
- Tree Diagrams

***ASSESSMENT TOOLS**

Rubrics

Teacher observations

MCAS Testing

Self-grading and evaluations

Interdisciplinary activities

Open ended questions

Objective Tests/Quizzes

Exams

Homework

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

HOMEWORK EXPECTATIONS

Homework is assigned Monday through Thursday. It is due the next class period. It needs to be neat and orderly. If a student fails to turn it in when it is due, he/she is able to make it up.

GRADING POLICY

Tests count for 60% of the final grade, quizzes for 25%, homework for 10%, and High 5 for 5%.

MAKEUP PROCEDURE

Students can make up missing work all through the semester, until grades close. If absent, the student should see the teacher for make-up work the day he/she returns to school.

GENERAL INFORMATION

The following supplies should be brought to class every day: a pencil, math book, math folder, agenda book, and any homework that is due.

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