Broad Meadows Middle School

50 Calvin Road

617-984-8723

Mrs. Olore

kerriolore@quincypublicschools.com

**Grade Seven Math Syllabus**

**Instructional Materials:** Big Ideas Math

**Major Topics**: Mathematics is a lifelong process in which students achieve mathematical competence through problem solving, communication, reasoning, and making connections.

*Ratios and Proportional Relationships*

* Analyze proportional relationships and use them to solve real-world and mathematical problems

*The Number System*

* Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers

*Expressions and Equations*

* Use properties of operations to generate equivalent expressions.
* Solve real-world and mathematical problems using numerical and algebraic expressions and equations

*Geometry*

* Draw, construct, and describe geometric figures and describe the relationships between them
* Solve real-life and mathematical problems involving angle measure, area, surface area, and volume

*Statistics and Probability*

* Use random sampling to draw inferences about a population
* Draw informal comparative inferences about two populations
* Investigate chance processes and develop, views, and evaluate probability models

*See* [*http://www.doe.mass.edu/frameworks/current.html*](http://www.doe.mass.edu/frameworks/current.html) *for additional information*

**Assessment Tools**: The following tools may be used for assessment:

Teacher Observations

Notebooks

Attendance

Homework

Rubrics

MCAS Testing

Projects

Open Response Questions

Modified Exams

Class Participation

Center Activities

**\*See Individual Student Education Plans or 504 Plans for modifications 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 spend will depend on the individual student. Partial credit will be given for late homework.

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

**Makeup Policy**: 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 test or quiz, the test or quiz must be signed first and a retesting time and date will be scheduled.

**General Information/ Materials**: Students are expected to come to class with the necessary materials to be prepared for work. The math book, math practice book, notebook, agenda, and a pencil should be brought to class daily unless otherwise directed. A parent or guardian must sign all tests/quizzes within one week of completion.

**\*Adjustments may be made to this syllabus throughout the year to meet the students’ needs.**