

**Boston Collegiate Charter School**  
**8<sup>th</sup> Grade Math II Syllabus 2011 – 2012**  
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**Tutoring Hours – TBA**

### Course Overview

This course is developed to give extra support to the Math I class. Math II will focus more on problems solving in contrast to the comprehension of skills in Math I. Math II will meet twice a week and classes will use problem solving strategies that will further help students fully understand the concepts that will be taught in Math I. Homework will be given out everyday, and is expected to be handed in the following day. The Math II course will facilitate different ways of comprehending math skills that all students must have for standardized testing. BCCS math standards are integrated to every lesson to ensure connections from Math I and Math II.

### Units

The curriculum outline below gives a general description of the topics we will be covering in the 8<sup>th</sup> grade this year.

Each quarter will be broken down into specific week long lessons, ranging from basic number sense, to geometry, statistics, probability, ratio and proportions, and laying the foundation lessons. Problem solving strategies will be incorporated for each of these concepts. You will also do a lot of self reflection and critiquing. You are your own worst critic.

### Primary Performance Standards

By the end of the 8<sup>th</sup> grade, students are expected to be able to:

- 1.) Use the 7 problem solving strategies with high proficiency.
- 2.) Determine how to show steps through a word problem.
- 3.) Apply previous learned skills to new word problems.
- 4.) Relate real world experience to word problems.

### Assessment

A quiz will be given everyday, it could be your do now, exit ticket, or randomly throughout the lesson. In addition, there will be an end of the quarter project, which will hold the most weight of any assignment throughout the quarter. Homework will be assigned every night, and will be graded for completion and accuracy.

### Grading Policy

The quarterly grading policy for 8<sup>th</sup> grade Math II is straight forward. The major assignment (quarter long project) will be worth 30% of the grade. Homework and class work are each worth 25%. Class work includes student participation, daily assignments, do now's, and exit tickets. Other assessments will be worth 20% of the grade; this will mainly consist of quizzes. Given the frequency of quizzes, homework, and class work, there is ample opportunity for every student to perform well in this course.

Since there is not a Math II final, grades will be weighted evenly throughout the four quarters at 25%. If a student fails Math II for the year, that student must complete a long term project during the summer in order to be promoted to the next grade.

### Text

Instead of a traditional textbook, students will take notes in their binders and work on class work handouts daily. Homework assignments will mirror the daily class work assignment.

### Materials

1. A 1-inch, 3 ring binder with TONS of loose-leaf paper
2. A composition notebook

If you persevere through this course, you're feelings towards math will go from this



to this



by the end of the year!!!