



Math 6

Matt Tomei

Room 350

2014-2015

Period 3

mtomei@fairfieldschools.org

COURSE DESCRIPTION

In the Math 6 course, the instructional time will focus on five critical areas: (1) completing understanding of division of fractions; (2) connecting ratio and rate to whole number multiplication and division and using concepts of ratio and rate to solve problems, which includes negative numbers; (3) writing, interpreting, and using expressions and equations; (4) extending the concept of area to surface area and volume; and (5) developing understanding of statistical thinking.

COURSE OBJECTIVES

Students should:

- Understand ratio concepts and use ratio reasoning to solve problems.
- Apply and extend previous understandings of multiplication and division to divide fractions by fractions.
- Compute fluently with multi-digit numbers and find common factors and multiples.
- Apply and extend previous understandings of numbers to the system of rational numbers.
- Apply and extend previous understandings of arithmetic to algebraic expressions.
- Reason about and solve one-variable equations and inequalities.
- Represent and analyze quantitative relationships between dependent and independent variables.
- Solve real-world and mathematical problems involving area, surface area, and volume.
- Develop understanding of statistical variability.
- Summarize and describe distributions.

UNITS OF STUDY

- Operating with Positive Rational Numbers
- Using Expressions and Equations
- Applications of Geometry Numbers
- Ratios and Rates
- Understanding Positive and Negative Numbers
- Algebraic Reasoning
- Statistics and Distributions

COURSE POLICIES AND REQUIREMENTS

GRADING

Summative Assessments:	60% Total Chapter Tests, Projects, Unit Assessments
Formative Assessments:	30% Total Quizzes, Class Presentations
Behavioral Characteristics:	10% Total Homework, Participation

MATERIALS

Binder, Agenda, Notebook, Pencils, Workbook, Calculator

EXPECTATIONS OF STUDENTS

- To be respectful to all other individuals and all property.
- To be prepared and on time with appropriate materials and assignments.
- To be responsible for any missed work and notes.
- To be motivated to learn and accept challenges.

EXTRA HELP

Monday and Thursday 2:50 – 3:10

TEXT BOOK WEBSITE

www.bigideasmath.com