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# Math 6

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Matt Tomei

Room 349

2016-2017

Period 2&4

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## COURSE DESCRIPTION

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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.

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## COURSE OBJECTIVES

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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.

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## UNITS OF STUDY

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- 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

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## GRADING

Summative Assessments: Chapter Tests, Unit Tests	50% Total
Formative Assessments: Quizzes, Daily Assessments	40% Total
Homework:	10% Total

## 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

Visit [www.bigideasmath.com](http://www.bigideasmath.com)