

# 6<sup>th</sup> Grade Honors Math Syllabus

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## Grade 6 Overview

### ● Ratios and Proportional Relationships

- Understand ratio concepts and use ratio reasoning to solve problems.

### ● The Number System

- Apply and extend previous understandings of multiplication and division to divide fractions by fractions.
- Multiply and divide multi-digit numbers and find common factors and multiples.
- Apply and extend previous understandings of numbers to the system of rational numbers.

### ● Expressions and Equations

- 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.

### ● Geometry

- Solve real-world and mathematical problems involving area, surface area, and volume.

### ● Statistics and Probability

- Develop understanding of statistical variability.
- Summarize and describe distributions.

## Grade 7 Overview

### ● Ratios and Proportional Relationships

- Unit Rates
- Proportional Relationships
- Solve Multi-step ratio and percent problems

### ● The Number System

- Add and subtract rational numbers - opposite quantities combine to make zero; positive and negative direction
- Multiply and divide rational numbers
- Solve real-world problems with the 4 operations with rational numbers

### ● Expressions and Equations

- Add, subtract, factor, expand linear expressions
- Understand rewriting expressions as strategy for solving in context
- Solve multi-step real-world problems and convert between forms in context
- Solve real-world problems involving equations and inequalities

## HOW WILL I BE GRADED?

A= 100- 93%  
B = 92-87%  
C= 86-78%  
D = 77-70%  
F = 69-63%

Your grade will be calculated by the following:

Unit tests = 50%  
Quizzes = 40%  
Class/Homework = 10%

It is very important to practice math skills in order to master the material. **What we learn on one day will most likely be connected to what we learn the next day, so completing homework every day is essential for success.**

\*Work must be shown for ALL homework assignments in your paper packets, especially for ONLINE homework.

If a student does not complete missing work, they may be required to serve a detention to complete the work.

## EXPECTATIONS

Respect peers and teachers	Work cooperatively with classmates
Finish all work on time	Be prepared
Complete all work in pencil	SHOW ALL WORK

## CONSEQUENCES

If students do not follow the rules of the school or the classroom, the consequences below will be given in the order provided. Depending on the severity or in lieu of repeating offenses, students may skip to more serious consequences.

- 1) Warning
- 2) Seat change/stay after class
- 3) Writing Assignment/Parent contact
- 4) Detention
- 5) Referral to Dean

## WHAT DO I NEED TO BRING WITH ME?

Pencils  
Folder  
Loose leaf paper  
Colored pen/pencil  
Basic 4 function Calculator

## SCHOOLGY

In Schoology, you will find the following:

- Homework assignments
- Upcoming quiz and test dates
- Copies of completed notes
- Extra practice websites

We have read the syllabus over together and understand the expectations in Math Class.

Student name: \_\_\_\_\_

Student Signature: \_\_\_\_\_

Parent/guardian names: \_\_\_\_\_

Parent Signature \_\_\_\_\_

Do your parents speak English? Yes or No

If not, which language?

Do you have internet at home? Yes or No

How do you prefer to be contacted? Phone or Email

Best phone number or email to contact:

\_\_\_\_\_