

School Name: CCMS

Course Title: 7th Grade Math

Instructors: John Cripe (Room C5) and John Ferraro (Room C7)

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Contact times: 8:00 to 9:00 or 3:30-3:45 daily

Course Description: Students explore mathematical concepts, formulas and applications in accordance with Oregon State Standards

### Learning Standards (Critical Content Power Standards)

In Grade 7, instructional time should focus on four critical areas: (1) developing understanding of and applying proportional relationships; (2) developing understanding of operations with rational numbers and working with expressions and linear equations; (3) solving problems involving scale drawings and informal geometric constructions, and working with two- and three-dimensional shapes to solve problems involving area, surface area, and volume; and (4) drawing inferences about populations based on samples.

## Grade 7 Overview

### 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-life and mathematical problems using numerical and algebraic expressions and equations.

### Mathematical Practices

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

## Geometry

- Draw, construct and describe geometrical 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, use, and evaluate probability models.

## Mathematical Practices

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## Materials:

*Texts:* Oregon Focus on Math (Rational Numbers, Proportionality and Surface Area and Volume)

*Film, Videos/ Other Electronic Media:* Learn 360

*Others (Articles):* Activities, supplements and handouts as applicable.

Students with documented disability may receive an alternate assessment to better accommodate learning styles, time, space and physical limitations, or distractions.

## Goals

By the end of the year 100% of students will meet or exceed subject level learning standards in Math as measured by a score of 80% or better on the quizzes and tests.

Grading:

### **Citizenship**

Attendance

Participation

- Take part in classroom discussion
- Complete all assignments, projects, presentations
- Daily Opener
- Daily Assignment/Homework

Behavior

- Follow all rules and procedures

### **Academic**

(Grades are comprised by a combination of the following):

Projects

Presentations

Quizzes

Exams

Grading Scale- 90-100 %=A 80-89%=B 70-79%=C 60-69=D 59% and below=F

Test Retake Policy: Any test can be retaken for full credit throughout each semester. Students must first complete the test retake form.

Makeup Policy: Make up work will be accepted no later than the evaluation of that particular math unit. Late assignments may receive partial credit.

Extra Credit Policy: Extra credit will not be offered except for the occasional “extra credit” assignments or questions offered to all students.