



## CC 7<sup>th</sup> Grade Math Syllabus

### Course Description

Students will continue their exploration and development of their understanding of algebra and geometry concepts. The next two years will be the needed foundation of their mathematical knowledge for all high school math.

### Objectives

Students will be able to:

- Develop an understanding of and apply proportional relationships, including percentages
- Develop an understanding of operations with rational numbers
- Work with expression and linear equations
- Solve problems involving scale drawings and informal geometric constructions
- Draw inferences about data based on collected samples

### Course Overview:

**Textbook:** Big Ideas Math Course 2: A Common Core Curriculum

**Website:** <https://clever.com/in/sdusd/>

#### Semester 1

##### Circle and Area

- Know the formulas for the area and circumference of a circle and use them to solve problems
- Understand the concept of pi
- Find perimeter and area of composite figures

##### Surface Area and Volume

- Use two-dimensional nets to represent three-dimensional solids
- Find surface area of rectangular and triangular prisms, regular pyramids, and cylinders.
- Find volumes of prisms and pyramids
- Describe the intersection of planes and solids

##### Integers

- Add, subtract, multiply and divide integers
- Define absolute value of numbers
- Use number lines to understand and model real-life problems
- Apply order of operations to evaluate expressions with integers

##### Rational Numbers

- Apply properties of numbers to perform operations with rational numbers
- Convert between rational numbers and decimals
- Evaluate expressions with rational numbers
- Model real-life problems

##### Expressions and Equations

- Apply properties of operations to add, subtract, factor, and expand linear expressions with rational coefficients
- Write two-step equations to model and solve real-life problems
- Explain and justify solution strategies

#### Semester 2

##### Inequalities

- Write and graph inequalities
- Apply properties of inequality to solve multi-step inequalities and determine if a given number is a solution
- Translate between written, graphical and symbolic representations.

##### Ratios and Proportions

- Find ratios, rates, and unit rates.
- Determine whether two ratios form a proportion
- Use tables and graphs to model proportions, slope, and direct variation.

##### Percents

- Compare and order fractions, decimals, and percents
- Convert between fractions, decimals and percents
- Use proportional relationships to solve multi-step ratio and percent problems.
- Find percent of change

##### Constructions and Scale Drawings

- Classify angles as adjacent, vertical, complementary and supplementary
- Write and solve equations for an unknown angle in a figure
- Construct triangles and quadrilaterals
- Solve problems involving scale drawings of geometric figures

##### Probability and Statistics

- Develop understanding of outcomes and events, including compound events
- Find and compare experimental and theoretical probabilities
- Identify dependent and independent events

### Recommended Supplies

Having the necessary supplies is instrumental.

If you cannot provide these supplies, please let me know and I will provide them for your child.

3 ring binder (1 inch or more)  
3 hole punch lined paper  
3 divider tabs for math



Pencils and erasers  
Independent Reading Book

## Classroom Expectations

- Follow ALL directions first time asked
- Be in your seat and prepared to work
- Do NOT disrupt the learning of others
- Keep all hands, feet and confrontational comments to themselves
- Follow all district, school and classroom rules and policies
- Keep "our" classroom clean
- NO electronics allowed on during class time

Anything of a serious or violent nature, a zero-tolerance infraction, or any on-going or severe problem will result in immediate referral to the counselors and/or principal with possible suspension or expulsion from Muir.

**Bullying will not be tolerated!! For more information about SD Unified School District policies, please visit <https://www.sandiegounified.org/anti-bullying-information-parents>**

## Consequences

- Warning/time-out at teacher discretion
- Detention (time determined by teacher) and parent phone call
- Additional detention (time determined by teacher) and parent phone call
- Referral, parent/team conference, or parent shadow

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## Grading Policy and Procedures

### Academic Grading Scale:

A – 90 – 100%  
B – 80 – 89%  
C – 70 – 79%  
F – below 70%

### Citizenship Grading Scale

Citizenship is based on the student following Muir and class rules; arriving on time, exhibiting a willingness to learn, participating in class activities, working well with peers and demonstrating courteous and respectful behavior towards peers, teachers and the classroom.

*\*In order to meet the A-G requirements established by the Universities of California and the CA State Universities, students must earn a "C" or better and therefore "D" will not appear in the grading scale.*

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## Notebook Logs (3 ring binder)



**You will be required to bring your 3-ring binder, independent reading book and a pencil to class every day.**

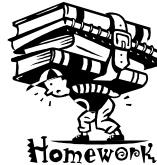
We will be adding assignments to your binder on a daily basis and failure to bring it will result in a lowering of your grade. It is **VERY IMPORTANT** that you update your Table of Contents as you enter the classroom. Notebook logs will be due at the end of every unit and will include all notes, class activities, and homework for the unit.

### Notes/Class Activities – 30%



In class, you will be required to actively participate in the daily activity. This will include, but it not limited to notes, group and individual problems, class activities, and labs.

### Homework – 10 %



Homework is a reinforcement of the days' activity. I will try to allow some class time to start homework to ensure that there are no questions. Completed homework will be stamped the day it is due.

### Performance Evaluations – 60 %

There will be a test at the end of each unit and occasionally a quiz in the middle of longer sections.

We will be completing projects throughout the year to test your understanding of key concepts.

**ALL homework must be completed to retake any tests or quizzes.**

### Late/Make Up Work Policy

NO late work will be accepted after the unit test is taken. If the notebook log is turned in on the day of the test, you will have an opportunity, after grading, to correct or redo most assignments for 75% of the original grade. All make-up work must be done at lunch or BEFORE/AFTER school and turned in before the unit test.

### Absences

Being absent does **NOT** excuse you from the assignments missed. Upon returning, it is your responsibility to update your Table of Contents and complete missed assignments. These assignments must be done by the next quiz or test and included in your notebook log. Any missed quizzes or tests must be made up at lunch, before/after school, see me to make arrangements.

### Help Sessions:

**Everyday at lunch - Monday & Tuesday: After School - Before School by appointment**

Please check front white board in the classroom for any changes.

\*These sessions are for students to make-up work, tests, or redo incomplete packets...

if work is turned in on time students are allowed to redo select assignments from the previous unit up until the next unit test.

**Please feel free to contact me with any concerns or question you may have regarding my class.**

**The best way to reach me is by the e-mail [aschu@sandi.net](mailto:aschu@sandi.net).**

**I look forward to working with you to help your child have a successful year in my class.**