

## 6th Grade Math

**Julie Thornton**

**Course Description:** The goal of this course is to ensure every student is prepared for success in future Math classes. The class is based on Common Core Mathematics and will cover the range of topics listed below. Students will be practicing note-taking skills, reinforcing learning through movement, developing their mathematical vocabulary, presenting mathematical thinking to peers, and working in small groups to understand and explain concepts covered in class.

**Course Essential Questions:**

- How do I estimate and calculate solutions to math problems?
- What habits, attitudes and skills do I have and need to be a successful learner of mathematics?
- What is it important for me to learn mathematics?
- How does what we are learning apply to the real world?

Approximate Dates	Unit Title	Main Unit Topics
August 19 - September 23	Introduction to Math in 6th grade Unit 1: Whole Number Operations	LCMs and GCMs Adding, subtracting, multiplying and dividing with whole numbers
September 24 - October 29	Unit 2: Geometry and Decimal Operations	Estimation; surface area; perimeter; coordinate grid geometry; adding, subtracting, multiplying and dividing decimals
October 30 - November 22	Unit 3: Algebra	Distributive property, substitution in equations, inequalities, real-world equation and inequality writing
December 2 - December 27	Unit 4: Fraction Unit	Adding, subtracting, multiplying and dividing with fractions
January 6 - January 31	Unit 5: Rational Numbers and Integers	Fraction, decimal, and percent conversions; number lines
February 3 - March 27	Unit 6: Ratios, Proportions and Percents	Scale factor, unit rate, tables with ratios
April 7 - May 1	Unit 7: Data and Statistics	Data collection; different ways of presenting data; measures of center and variability
May 4 - May 28	Project work	To be determined

I am available Mondays, Thursdays and Fridays during lunch if students need assistance with homework, organizing their notebooks, or understanding class content. I am also available after school several days of the week with advanced planning.

Warmly,

Julie Thornton ([julie.thornton@galsdenver.org](mailto:julie.thornton@galsdenver.org))



## 6to Grado Matemáticas

Julie Thornton

Descripción del curso: La meta de este curso es asegurar que cada estudiante esté preparado para el éxito en futuras clases de matemáticas. La clase se basa en las Matemáticas Básicas Comunes y cubrirá la gama de temas que se enumeran a continuación. Los estudiantes practicarán habilidades para tomar notas, reforzarán el aprendizaje a través del movimiento, desarrollarán su vocabulario matemático, presentarán el pensamiento matemático a sus compañeros y trabajarán en pequeños grupos para entender y explicar los conceptos cubiertos en la clase.

Preguntas esenciales del curso:

¿Cómo calculo y calculo las soluciones a los problemas matemáticos?

¿Qué hábitos, actitudes y habilidades tengo y necesito para tener éxito en el aprendizaje de las matemáticas?

¿Qué es importante para mí aprender matemáticas?

¿Cómo se aplica lo que estamos aprendiendo al mundo real?

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May 4 - May 28	Project work	To be determined

Estoy disponible los lunes, jueves y viernes durante el almuerzo si los estudiantes necesitan ayuda con sus tareas, organizando sus cuadernos, o entendiendo el contenido de la clase. También estoy disponible después de la escuela varios días de la semana con planificación anticipada.

Calurosamente,

Julie Thornton (julie.thornton@galsdenver.org)