

Pre-Algebra 8

Curriculum:

The primary goal of this course is to provide the student with the mathematical skills needed to be successful in a diverse society. We will be developing diverse mathematical connections, multiple approaches to problem solving, higher order thinking and reasoning skills and applications to real-world problems.

This course will focus on pre algebra/geometry skills. The course content includes but is not limited to:

1. Introduction to Algebra
 - Expressions
 - Equations
 - Numeric Properties
 - Patterns and Functions
 - Integers

2. Decimals and Percents
 - Rounding Decimals
 - Adding and Subtracting Decimals
 - Multiplying and Dividing Decimals

3. Fractions and Mixed Numbers
 - Comparing and Ordering Fractions
 - Equivalent forms of Decimals and Fractions
 - Adding and Subtracting Fractions and Mixed Numbers
 - Multiplying and Dividing Fractions and Mixed Numbers

4. Geometry
 - Points , Lines and Planes
 - Parallel Lines
 - Identifying, Measuring and Drawing Angles

5. Measurement

- Length
- Area
- Surface Area
- Volume

Grading:

You will be graded on your success in the following areas;

- Class work/Participation
- Completion of Homework
- Tests and Quizzes

Student Responsibilities:

You are expected to bring the materials that you will need to class with you. Be prepared to work and ask questions when you need help. Show the respect to other students and people in the classroom that you expect for yourself.