

## **Sixth Grade Mathematics Curriculum**

Our 6th grade math curriculum is a Pre-Algebra program that stresses the basics of addition, multiplication, subtraction, and division of the various number forms (decimals, whole numbers, and fractions). It also includes number theory, data and statistics, and a touch of Geometry. 6th graders also learn ratios, per cents, and proportions. In addition, we delve into the world of positive and negative integers and devote a lot of time to the four types of equations and expressions which provide the basic building blocks for the Algebra that they will be exposed to as they continue on in Junior High and High School.

## **Seventh Grade Mathematics Curriculum**

Entering 7th grade, students are expected to have mastered most computational skills. The focus of this year is the introduction of the fundamentals of algebra and most numerals and their properties. Rational numbers are involved with each topic discussed. Near the conclusion of the year, we explore geometry and probability with simple and more complex operations.

## **Eighth Grade Mathematics Curriculum**

The focus throughout 8th grade mathematics is to master the foundations of algebra. We begin by revisiting some essential elements from 7th grade and continue to build on those fundamentals. We explore several different numerals and how to operate with them. The introduction of polynomials and other variable based mathematics allows the elevation of vocabulary and preparation for high school. Finally, geometry brings all the elements together with hands on understanding and application. The Catholic High School Entrance Exam takes place in the Fall and we take time to ensure the confidence of our student in the appropriate topics and skills.