



## **Middle School Mathematics Course Description**

### **Academic Year (2020-2021)**

The Department strives to spark student interest in Mathematics through high-quality instruction and emphasizes an appreciation for mathematics not only as a discipline but also as a fundamental part of the world we live in. Our teachers assist students in developing the skills necessary to creatively solve real world problems, communicate mathematically, and compete globally. All mathematics courses at Al Retaj encourage students to use technology and expand their problem solving, critical thinking, and mathematical literacy skills. Our department is an enthusiastic group of professionals who are eager to share their love for mathematics.

The Mathematics Department provides a challenging and varied curriculum that is strongly rooted in the fundamentals of Algebra. Each course is based upon a program of studies aligned with Common Core standards. Emphasis is placed upon bringing the academic study of mathematics to "real world" applications. Our books will cover the different Domains in the Common Core- the Number System, Expressions and Equations, Functions, and Geometry. This will help prepare students for high school algebra.

At Al Retaj, students are not only prepared for further study of mathematics and related fields, but also upon graduation they are equipped to make informed decisions and interpret the world intelligently for whatever their future endeavors.