

PARKWAY CHRISTIAN SCHOOL

MATH CURRICULUM (MS)

MATHEMATICS (MS)

These standards for mathematical content prepare students for all areas related to the Big Ideas in high school mathematics. Each grade level has a focus appropriate for their level to build up their proficiency in each area.

MATHEMATICS (MS)

Ratios and Proportional Relationships

- Analyze proportional relationships and use them to solve real-world and mathematical problems.

The Number System

- Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers.

MATHEMATICS (MS)

Expressions and Equations

- Use properties of operations to generate equivalent expressions.
- Solve real-life and mathematical problems using numerical and algebraic expressions and equations.
- Work with radicals and integer exponents.
- Understand the connections between proportional relationships, lines, and linear equations.
- Analyze and solve linear equations and pairs of simultaneous linear equations.

MATHEMATICS (MS)

Geometry

- Understand congruence and similarity using physical models, or sketching models.
- Understand and apply the Pythagorean Theorem.

Functions

- Understand congruence and similarity using physical models, or sketching models.
- Understand and apply the Pythagorean Theorem.

Curriculum: Holt McDougal Mathematics Grade 6, 7, and 8. Common Core Edition.