

6th Grade Mathematics Course Syllabus

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These are the topics we plan on focusing on:

Factors and Multiples

- Number Theory
- Primes
- Composites
- Prime Factorization

Understanding Rational Numbers

- Compare and order Rational number
- Equivalence
- Move among Fractions, Decimals, and Percents

Two-Dimensional Geometry

- Regular and Non-regular Polygons
- Special properties of Triangles and Quadrilaterals
- Angle Measure
- Angle sums
- Tiling
- The Triangle inequality

Understanding Fraction Operations

- Understanding the relationships and skills of:
 - A) Addition
 - B) Subtraction
 - C) Multiplication
 - D) Division

Two-Dimensional Measurement

- Area and Perimeter Relationships
- Area and Perimeter of Polygons and Circles
- Related formulas

Computing with Decimals and Percents

- Understanding the relationships and skills of:
 - E) Addition
 - F) Subtraction
 - G) Multiplication
 - H) Division

Probability

- Reason about uncertainty
- Experimental and Theoretical Probabilities
- Equal likely and non-equal likely outcomes

Statistics

- Formulate Questions
- Organize, Represent, and Analyze Data
- Interpret results from Data
- Measures of center and range