# Grade 5 math

## Topics include:

-place value
-multiplication and division of whole numbers
-Working with decimals to the thousands place, including adding, subtracting, multiplying and dividing
-Greatest Common Factors
-Least Common Multiples
-adding and subtracting, multiplying and dividing fractions with like and unlike denominators, as well as mixed numbers
-metric units and conversions
-measurement and data
-3D shapes and their volume
-the coordinate system
-word problems

Extra help is available as needed.

# Grade 6 math

## Topics include:

-Area of a rectangle, triangle, and parallelogram
-Area of complex figures
-Nets of 3D figures
-Surface area of 3D figures
-Algebraic expressions and equations with variables
-Expressions with exponents
-Order of operations
-Greatest Common Factors
-Least Common Multiples
-Decimals & Fractions
-Volume with fractions
-Ratios & Equivalent fractions
-Unit Rate & Percent
-Conversion in measurement
-Integers
-Statistics and interpretive graphs

Extra help is available on Tuesdays during the recess/study hall block.

# Grade 7 math

## Topics include:

-Scale
--Unit Rate with ratios of fractions
-proportional relationships
-Multi step ratio problems
-Circumference
-Area of a Circle
-Integers
-Positive and negative fractions and decimals
-Absolute value
-Rational v irrational numbers
-Order of operations
-Algebraic expressions and equations with variables
-Factoring expressions & equivalent expressions
-Inequalities
-Percentage
-Simple interest
-Percent change & percent error
-Random sampling
-Inferences
-Statistics
-Solids, Triangles, Angles
-Area and Surface Area
-Volume
-Plane sections of 3D figures
-Quadrilaterals
-Probability
-Integers
-Statistics and interpretive graphs

Remediation & enrichment is provided for each topic. Student abilities may vary according to topic.

# Grade 8 math

## Topics include:

-Rigid transformations
-Dilations & similarity
-Angle relationships & congruency
-Unit Rate with ratios of fractions
-Proportional relationships
-Slope
-Linear equations (graphing & solving)
-Systems of linear equations (graphing, substitution, elimination methods)
-Functions (linear and nonlinear)
-Exponents and their properties
-Scientific notation
-Radicals
-Rational v irrational numbers
-Pythagorean Theorem
-Volumes of cylinders, cones & spheres
-Statistics & linear models
-2 way tables

Remediation is provided for each topic. Student abilities may vary according to topic.