Mrs. Fran Vizek
fvizek@edgewoodk8.com
608/663-4100 ext. 4118

6th Grade Math:

Textbook: *Big Ideas Math*
Instruction involves introducing lesson, guided practice, and independent work. There will be homework daily. We will work to balance conceptual understanding with procedural fluency. Students will work on applying math skills and problem solving strategies to solve multi-step problems.

Some new concepts include: dividing by three-digit divisors (with decimals), positive and negative integers, reciprocals, proportions, percent equations, division of mixed numbers, geometry skills, data distribution and analysis.

6th Grade - ***Scope and Sequence***

6th Grade Math - Big Ideas Math	
Unit I - Numerical Expressions and Factors • Whole Numbers Operations • Powers and Exponents • Order of Operations • Prime Factorization • Greatest Common Factor • Least Common Multiple	Unit VI - Integers and the Coordinate Plane • Integers • Comparing and Ordering Integers • Fractions and Decimals on the Number Line • Absolute Value • The Coordinate Plane
Unit II - Fractions and Decimals • Multiplying Fractions • Dividing Fractions • Dividing Mixed Numbers • Adding and Subtracting Decimals • Multiplying Decimals • Dividing Decimals	Unit VII - Equations and Inequalities • Writing Equations in One Variable • Writing Equations Using Addition or Subtraction • Solving Equations Using Multiplication or Division • Writing Equations in Two Variables • Writing and Graphing Inequalities • Solving Inequalities Using Addition or Subtraction • Solving Inequalities Using Multiplication or Division

Unit III - Algebraic Expressions and Properties • Algebraic Expressions • Writing Expressions • Properties of Addition and Multiplication • The Distributive Property	Unit VIII - Surface Area and Volume • Three Dimensional Figures • Surface Area of Prisms • Surface Area of Pyramids • Volumes of Rectangular Prisms
Unit IV - Areas of Polygons • Areas of Parallelograms • Areas of Triangles • Areas of Trapezoids • Polygons in the Coordinate Plane	Unit IX - Statistical Measures • Introduction to Statistics • Mean • Measures of Center • Measures of Variation • Mean Absolute Deviation
Unit V - Ratios and Rates • Ratios • Ratio Tables • Comparing and Graphing Ratios • Percents • Solving Percent Problems • Converting Measures	Unit X - Data Displays • Stem and Leaf Plots • Histograms • Shapes of Distribution • Box-and-Whisker Plots

Math notebooks should be organized and written in pencil only. Assessments are based on class participation, notebook organization, homework, quizzes and tests. Quizzes and tests represent 60% of the grade.

Please remind your child it is okay to ask for help after they have tried and used their resources. Students need to stay positive and be patient when learning new material.