

GOOD SHEPHERD EPISCOPAL SCHOOL

5TH GRADE MATH YEAR AT A GLANCE

| Trimester | Month | Topics | Skills |
|--------------------|-----------|---|--|
| First Trimester | August | Introduction Expectations Diagnostic Assessment | |
| | September | Chapter 1: Whole Numbers and Decimals Chapter 2: Data and Graphs | Understanding & Estimating Whole Numbers Properties of Numbers Order of Operations Understanding Decimals Comparing and Ordering Decimals Adding & Subtracting Decimals Multiplying & Dividing Decimals Finding the Mean, Median, and Mode Frequency Tables and Line Plots Bar Graphs and Line Graphs Using Spreadsheets to Organize Data Stem-and-Leaf Plots Misleading Graphs and Statistics |
| | October | Chapter 3: Patterns and Variables Chapter 4: Number Theory and Fractions | Describing Patterns Variables and Expressions Writing Algebraic Expressions Using Numbers Sense to Solve One-Step Equations Solving Addition and Subtraction Equations Solving Multiplication and Division Equations The Distributive Property Divisibility and Mental Math Exponents Prime Numbers and Prime Factorization Greatest Common Factor Equivalent Fractions Mixed Numbers and Improper Fractions Least Common Multiple Comparing and Ordering Fractions Fractions and Decimals |

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| Second Trimester | November (End of First Trimester/ Beginning of Second Trimester) | Chapter 5: Adding and Subtracting Fractions | Estimating Sums and Differences Fractions With Like Denominators Fractions With Unlike Denominators Adding & Subtracting Mixed Numbers Subtracting Mixed Numbers Equations With Fractions Measuring Elapsed Time |
| | December | Chapter 6: Multiplying and Dividing Fractions | Multiplying Fractions & Mixed Numbers Dividing Fractions & Mixed Numbers Solving Fraction Equations by Multiplying The Customary System Changing Units in the Customary System |
| | January | Chapter 7: Ratios, Proportions, and Percents | Ratios Unit Rates Understanding Proportions Solving Proportions Scale Drawings Percents, Fractions, and Decimals Finding the Percent of a Number Circle Graphs Estimating With Percents |
| Second Trimester | February | Chapter 8: Tools of Geometry Chapter 9: Geometry and Measurement | Points, Lines, Segments, and Rays Angles Special Pairs of Angles Classifying Triangles Exploring and Classifying Polygons Congruent and Similar Figures Line Symmetry Transformations Metric Units of Length, Mass, and Capacity Converting Units in the Metric System Perimeters and Areas of Rectangles Areas of Parallelograms and Triangles Circles and Circumference Area of a Circle Three-Dimensional Figures and Spatial Reasoning |

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| | | | Surface Areas of Prisms Volumes of Rectangular Prisms Surface Areas and Volumes of Cylinders |
| Third Trimester | March | Chapter 11: Integers | Exploring Integers Comparing and Ordering Integers Adding and Subtracting Integers Multiplying and Dividing Integers Solving Equations with Integers Graphing in the Coordinate Plane Applications of Integers Graphing Functions |
| | April | Chapter 12: Equations and Inequalities | Solving Two-Step Equations Inequalities Solving One-Step Inequalities Exploring Square Roots and Rational Numbers Introducing the Pythagorean Theorem |
| | May | Chapter 10: Exploring Probabilities Review End of year Exam | Tree Diagrams and the Counting Principle Probability Experimental Probability Making Predictions From Data Independent Events |

* This YAG will change. It is meant only to provide a quick look at the topics that will be addressed during the school year. Class progress, ERB testing, school trips, and inclement weather will all merit YAG adjustments.