All Things Algebra® MATH 5 CURRICULUM

Unit 1: Place Value & Whole Numbers	**Unit 2:** Decimals
• Place Value & Number Forms • Powers of 10 & Exponents • Multiplying & Dividing by Powers of 10 • Rounding & Estimating • Multi-Digit Multiplication • Division with 1- & 2-Digit Divisors • Interpreting Remainders • Prime & Composite Numbers • Prime Factorization • GCF & LCM • Multi-Step Word Problems	• Decimal Place Value to Thousandths • Standard, Word & Expanded Form • Comparing & Ordering Decimals • Rounding Decimals • Adding & Subtracting Decimals • Multiplying Decimals • Dividing Decimals • Estimating with Decimals • Decimal Word Problems (incl. Money)
Unit 3: Adding & Subtracting Fractions	**Unit 4:** Multiplying & Dividing Fractions
• Equivalent Fractions & Simplest Form • Mixed Numbers & Improper Fractions • Comparing & Ordering Fractions • Converting Fractions & Decimals • Benchmark Fractions & Estimation • Common Denominators • Adding & Subtracting Unlike Fractions • Adding & Subtracting Mixed Numbers • Subtracting with Regrouping • Fraction Word Problems	• Fractions as Division • Multiplying Fractions & Whole Numbers • Multiplying Fractions & Mixed Numbers • Area with Fractional Side Lengths • Multiplication as Scaling • Dividing Unit Fractions by Whole Numbers • Dividing Whole Numbers by Unit Fractions • Fraction Word Problems

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(Revisions are possible)

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Unit 5: Algebraic Thinking & Patterns	**Unit 6:** Coordinate Plane & Geometry
• Order of Operations • Grouping Symbols: ( ), [ ], { } • Writing & Interpreting Expressions • Distributive & Other Properties • Variables & Writing Equations • Input-Output Tables • Numerical Patterns & Rules • Comparing Two Patterns • Graphing Pattern Relationships	• The Coordinate Plane: Axes & Origin • Graphing Ordered Pairs (Quadrant I) • Real-World Coordinate Problems • Measuring & Classifying Angles • Triangle Angle Sum & Unknown Angles • Classifying Triangles (Sides & Angles) • Classifying Quadrilaterals • Hierarchy of 2-D Figures • Classifying 3-D Figures
Unit 7: Measurement & Volume	**Unit 8:** Data & Financial Literacy
• Converting Customary Units • Converting Metric Units • Multi-Step Conversion Problems • Perimeter of Polygons • Area of Rectangles, Squares & Triangles • Volume with Unit Cubes • Volume of Rectangular Prisms • Volume of Composite Figures • Choosing Perimeter, Area, or Volume	• Line Plots with Fractions & Decimals • Frequency Tables & Dot Plots • Bar Graphs & Line Graphs • Stem-and-Leaf Plots • Scatterplots • Mean, Median, Mode & Range • Probability & Counting Outcomes • Income, Taxes & Budgets • Payment Methods, Credit & Records

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