5th Grade Curriculum Overview 2023/2024 School Year

Mrs. Ervay 9:40 – 10:25 (9:50 – 10:35 on band days, Monday/Wednesday)

The following is a generalized curriculum plan for the school year. The weeks are an estimation based upon typical grade-level knowledge coming into the school year and include no scheduled time for projects, field trips, or other enrichment activities. The weeks do not stretch to the end of the year for this reason. At a minimum, will be adding in several valuable projects as we go and this map will be updated accordingly.

Module 1: Place Value and Decimal Fractions

Week 1 Topic A: Multiplicative Patterns on the Place Value Chart

Week 2 Topic B: Decimal Fractions and Place Value Patterns

Week 3 Topic C: Place Value and Rounding Decimal Fractions

Week 4 Topic D: Adding and Subtracting Decimals

Week 5 Topic E: Multiplying Decimals

Week 5 Topic F: Dividing Decimals

\*Much of this Module is review and rethinking the applications and purpose behind learned math through the 4th grade. Each Topic adds some new material, but the vast majority is a refresher.

Module 2: Multi-Digit Whole Number and Decimal Fraction Operations

Week 5 Topic A: Mental Strategies for Multi-Digit Whole Number Multiplication

Week 5/6 Topic B: The Standard Algorithm for Multi-Digit Whole Number Multiplication

\*Most emphasis put on this strategy, students are taught that this method never fails, although they are welcome to use any of the other strategies taught in this module.

Week 6 Topic C: Decimal Multi-Digit Multiplication

Week 7 Topic D: Measurement Word Problems with Whole Number and Decimal Multiplication

Week 7 Topic E: Mental Strategies for Multi-Digit Whole Number Division

Module 3: Addition and Subtraction of Fractions

Week 8 Topic A: Equivalent Fractions

Week 9 Topic B: Making Like Units Pictorially

Week 9 Topic C: Making Like Units Numerically

Week 10 Topic D: Further Applications

\*Terms within an equation can be rearranged within an equation to make the problem easier to solve

\*Combining like terms, consolidating within a problem

\*Finding the Least Common Denominator (LCD) to add and subtract fractions

\*Applying Module knowledge to simple and multi-step word problems

Module 4: Multiplication and Division of Fractions and Decimal Fractions

Week 11 Topic A: Line Plots of Fraction Measurements

Week 11 Topic B: Fractions as Division

Week 12 Topic C: Multiplication of a Whole Number by a Fraction

Week 13 Topic D: Fraction Expressions and Word Problems

Week 14 Topic E: Multiplication of a Fraction by a Fraction

Week 15 Topic F: Multiplication with Fractions and Decimals as Scaling and Word Problems

Week 16 Topic G: Division of Fractions and Decimal Fractions

Week 16 Topic H: Interpretation of Numerical Expressions

Module 5: Addition and Multiplication with Volume and Area

Week 17 Topic A: Concepts of Volume

Week 18 Topic B: Volume and the Operations of Multiplication and Addition

Week 19 Topic C: Area of Rectangular Figures with Fractional Side Lengths

Week 20 Topic D: Drawing, Analysis, and Classification of Two-Dimensional Shapes

Module 6: Problem Solving with the Coordinate Plane

Week 21 Topic A: Coordinate Systems

Week 22 Topic B: Patterns in the Coordinate Plane and Graphing Number Patterns from Rules

Week 23 Topic C: Drawing Figures in the Coordinate Plane

Week 24 Topic D: Problem Solving in the Coordinate Plane

Week 25 Topic E: Multi-Step Word Problems

Weeks 26-28 Topic F: The Years in Review: A Reflection on A Story of Units

\*During this time we will be working on an End-Of-Year Project that incorporates all of the math we’ve mastered throughout the year!!