

ELEMENTARY MATH DEPARTMENTAL CURRICULUM PROFILE

PROGRAM DESCRIPTION

The math program develops the academic process of mathematical skills and strategies in an inclusive classroom for children.

PHILOSOPHY

Encourage each child to reach their full potential of being life long learners.

OBJECTIVES IN THE MATH PROGRAM

- Sequences
- Even and Odd Numbers
- Place Value (through hundred billions)
- Writing and Comparing Whole Numbers
- Unknown Numbers in Addition, Subtraction, Multiplication, and Division
- Ordinal Numbers
- Addition and Subtraction Algorithms
- Word Problems
- Multiplication and Division Algorithms
- Fractions, Decimals, and Percent
- Factors
- Multiples
- Time and Temperature
- Geometry (lines and angles)
- Triangles, Quadrilaterals, and Circles
- Expanded Notation
- Finding an Average
- Probability
- Graphs
- Area and Volume
- Exponents and Square Roots
- Prime and Composite Numbers
- Geometric Solids
- Mean, Median, Mode, and Range
- Reciprocals
- Ratios
- Estimation and Rounding
- Formulas
- Adding, Subtracting, Multiplying, and Dividing Whole Numbers
- Fact Families
- Unknown Numbers in Addition, Subtraction, Multiplication, and Division
- Order of Operations
- Fractions
- Lines, Segments, and Rays
- Perimeter
- Frequency Tables, Histograms, and Surveys
- Word Problems
- Place Value through Trillions
- Negative Numbers
- Rounding and Estimating
- Fractions (Comparing, add, subtract, multiply, divide)
- Averages
- Factors and Greatest Common Factor
- Multiples and Least Common Multiple
- Prime Numbers
- Divisibility (2,3,5,6,9,10,25,100)
- Ratio
- Measures of a Circle
- Angles
- Reciprocals
- Areas of Rectangles
- Elapsed Time
- Percents and decimals as Fractions
- Decimals Graphs
- Expanded Notation
- Circumference and Pi
- Mental Math
- Polygons
- Geometric Solids
- Proportions
- Square Roots
- Geometric Formulas
- Order of Operations
- Transversals
- Mass and Weight
- Integers
- Transformations
- Symmetry
- Patterns
- Shapes
- Counting by fives & tens
- Geoboard