# St. Raphael the Archangel
# Math
# 5th Grade 2017-2018

## Learning Goals- Students will:

## Operations and Algebraic Thinking
1. Factor numbers 1-100 and identify whether they are prime or composite.
2. Form and solve expressions with parentheses, brackets, or braces.
3. Use given rules to generate numerical patterns, form ordered pairs, and graph the ordered pairs on a coordinate plane.
4. Interpret and solve multiplication and division equations.
5. Solve inequalities.

## Numbers and Operations- Base Ten
1. Add decimals to the thousandths place.
2. Add multi-digit whole numbers.
3. Compare and order decimals to the thousandths place.
4. Divide decimals to the hundredths place.
5. Divide up to four-digit dividends by two-digit divisors.
6. Estimate a number to a given place value.
7. Estimate the product and quotient of multiplication and division problems.
8. Explain and use exponents to show powers of 10.
9. Identify the greatest common factor.
10. Identify the least common multiple.
11. Multiply decimals.
12. Multiply multi-digit whole numbers.
13. Read and write decimals to the thousandths place using numerals, words, and expanded form.
14. Round decimals.
15. Subtract decimals.
16. Subtract multi-digit whole numbers.
17. Write whole numbers in expanded, word, and standard form.

## Numbers and Operations- Fractions
1. Add fractions and mixed numbers with unlike denominators.
2. Divide fractions.
3. Change a decimal to a fraction and a fraction to a decimal.

4. Form equivalent fractions.
5. Multiply a fraction by a fraction.
6. Multiply a whole number by a fraction.
7. Order and compare fractions.
8. Subtract fractions and mixed numbers with unlike denominators.
9. Solve word problems by multiplying and dividing fractions and mixed numbers.
10. Solve word problems by adding and subtracting fractions with like and unlike denominators.

## Measurement and Data
1. Convert measurement units within a measurement system.
2. Draw and measure angles.
3. Measure volume using various units.
4. Use a formula to find the area of squares, parallelograms, and triangles.
5. Use a formula to find the perimeter of a shape.

## Geometry
1. Classify two-dimensional figures into categories according to their properties.
2. Identify symmetrical shapes and draw lines of symmetry.
3. Plot ordered pairs on a grid.