

RATIONALE

The basis for a good mathematical environment involves creating an atmosphere based on learning styles of individual students to be confident in his or her own ability to do mathematics and make connections across the disciplines as it applies to his or her daily living.

COURSE DESCRIPTION

The fourth grade mathematics course will promote student confidence as they continue to learn, write, and perform mathematical concepts relating to their environment. The course will include developing understanding and fluency with multi-digit multiplication, developing understanding of dividing to find quotients involving multi-digit dividends; developing an understanding of fraction equivalence, addition and subtraction of fractions with like denominators, and multiplication of fractions by whole numbers; understanding that geometric figures can be analyzed and classified based on their properties, such as having parallel sides, perpendicular sides, particular angle measures, and symmetry in continuing the development for mathematical usage in the child's world.

MOST IMPORTANT LEARNER OUTCOMES

I can statements:

1. I can use four operations with whole numbers to solve problems.
2. I can find factors and multiples of numbers.
3. I can generate and analyze patterns.
4. I can recognize place value for multi-digit whole numbers.
5. I can use place value understanding and properties of operations to perform multi-digit arithmetic.
6. I can compare and order fractions.
7. I can build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.
8. I can understand decimal notation for fractions and compare decimal fractions.
9. I can solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.
10. I can represent and interpret data.
11. I can recognize angles as geometric shapes and measure angles.
12. I can draw and identify lines and angles and classify shapes by properties of their lines and angles.

EVALUATION

Fourth grade students are evaluated by teacher observations, individual student projects, formative and summative assessments, MAP, resource material, and study island.

