RATIONALE

The basic activities in a good mathematics programs afford student the opportunity to combine a variety of problem solving skills with a thorough knowledge of mathematical calculation abilities. The fifth grade math program is developed to help students learn, practice, apply and integrate into other areas of study, specific skills so that they can become independent learners and thinkers.

COURSE DESCRIPTION

The fifth grade mathematics program is designed to promote and enhance problem solving skills, while continuing to build upon and furthering the student's calculation abilities. This course focuses on three critical areas. Students develop fluency with addition and subtraction of fractions and develop an understanding of the multiplication of fractions and division of fractions in limited cases. Also, extending division to 2-digit divisors, integrating decimal fractions into the place value system and developing understanding of operations with decimals to hundredths, and developing fluency with whole number and decimal operations; and developing understanding of volume.

MOST IMPORTANT LEARNER OUTCOMES

I can statements:

1. I can write and interpret numerical expressions
2. I can analyze patterns and relationships.
3. I can understand the place value system.
4. I can perform operations with multi-digit whole numbers and with decimals to hundredths.
5. I can use equivalent fractions as a strategy to add and subtract fractions.
6. I can apply and extend previous understandings of multiplication and division to multiply and divide fractions.
7. I can convert like measurement units within a given measurement system.
8. I can represent and interpret data.
9. I can understand concepts of volume and relate volume to multiplication and division.
10. I can graph points on the coordinate plane to solve real-world and mathematical problems.
11. I can classify two-dimensional figures into categories based on their properties.

EVALUATION

Fifth grade students are evaluated by teacher observation, group activities, individual student projects, and MAP.