Math-Ese 3-D

Math in the Real-World

A workshop for Oklahoma teachers funded through a grant from the
Oklahoma State Regents for Higher Education
No Child Left Behind Act of 2001

Improving Student Comprehension of Mathematics: Representations Using Technology

May 27-31 and June 7, 2008
Follow-up Sessions on October 2, 2008 and November 22, 2008
Oklahoma Panhandle State University

During the workshop, participants will be required to:

- Develop higher-level knowledge of solving real-world application problems
- Increase their ability to connect mathematical concepts with real-world applications
- Develop strategies for teaching math vocabulary and reading comprehension of math problems
- Create assessment instruments to measure student achievement in the areas of math dealing with real-world applications
- Analyze student achievement data and increase their reflective practices to improve instructional strategies,
- Develop presentations aligned to PASS using technology to communicate mathematical representations in their classrooms that they will share with peers.

Following the workshop, participants will be required to:

- Return to campus together two times for five hours each day to share stimulating lesson plans and reflections, current reading in mathematics research and feedback from colleagues, administrators and parents
- Analyze student achievement data to improve instructional practices and reflect about how the workshop has impacted student learning in their classrooms.

Selected participants will receive a stipend of $ 250.00 for successfully completing all workshop requirements and follow-up activities. In addition, participants will receive an individual PDA, a digital camera, and additional manipulatives to aid in the integration of mathematics in the real-world.

Application Form must be received by: April 2, 2008

(Workshop is limited to 25 participants)