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**Program Director:**

Dr. R. Wayne Stewart, Professor, and Dean of Education

**OPSU Faculty:**

Dr. Pauline Hodges, Adjunct Professor, Education Dept.

Mr. Jerry Mihelic, Assistant Professor, Education Dept.

Ms. Jana Peterson, Assistant Professor, Mathematics Dept.

Ms. Shawna Lyle, Assistant Professor, Mathematics Dept.

Ms. Elaina Stewart, Assistant Professor, McKee Library

**Teacher Consultants:**

Ms. Nancy Roberts, Yarbrough Schools

Ms. Bonnie Miller, Plainview School

**Organizational and Clerical Assistance:**

Maggie Cline, Secretary to the Dean of Education

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The 2008 seminar links the study of mathematics to the “Real-World” outside of the classroom. Literacy, such as vocabulary assimilation and reading comprehension of application problems, remains a key focus. The seminar combines all grade levels (K-12), and all seminar presentations, lesson plans, and other materials will be included in the “Toolkit” published on the OPSU website.

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**IMPROVING STUDENT**

**COMPREHENSION OF MATHEMATICS**

**THOUGH REAL-WORLD**

**CONNECTIONS AND COMMUNICATIONS**

**OBJECTIVES OF THE WORKSHOP:**

***Seminar Participants will:***

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 real-world applications

***Students of the Participating Teachers will:***

show improvement in their ability to link the study of mathematics to the world outside the classroom



**Oklahoma Panhandle State  
University**

Application Form must be received by:  
APRIL 2, 2008

Math-Ese 3-D Workshop  
SCHOOL OF EDUCATION  
BOX 430  
GOODWELL, OK 73939  
580-349-1406

CONTACT THE OPSU SCHOOL OF EDUCATION FOR  
ADDITIONAL INFORMATION OR APPLICATION FORMS

**OKLAHOMA  
PANHANDLE STATE  
UNIVERSITY  
PRESENTS**

A workshop for Oklahoma  
teachers funded through a  
grant from the

**Oklahoma State Regents  
for Higher Education**

No Child Left Behind Act of  
2001



**MATH-ESE 3D**

**MATH IN THE REAL-WORLD**

Improving Student Compre-  
hension of Mathematics  
Through Real-World Connec-  
tions and Communications

May 27 – 31 and June 7, 2008  
Follow-up Sessions Oct. 2 and Nov. 22  
Oklahoma Panhandle State University

**OPSU SCHOOL OF EDUCATION**

Preparing effective teachers who are  
Competent, Caring, and Committed!

<b>MAY 27 TUESDAY</b>	<b>MAY 28 WEDNESDAY</b>	<b>MAY 29 THURSDAY</b>		<b>MAY 30 FRIDAY</b>		<b>MAY 31 SATURDAY OPSU GUYMON CASSROOM</b>	<b>JUNE 7 SATURDAY OPSU HMH 127</b>
9:00 –10:00	9:00-12:00	9:00-12:00	9:00-12:00	9:00-12:00	9:00-12:00	9:00-10:30	9:00-12:00
<b>ORIENTATION AND PRESENTA- TION OF WORK- SHOP GOALS</b>  <b>HMH 127</b>  <b>DR. W. STEWART</b>	<b>MIHELEC AND STEWART</b>  <b>JOURNALING</b>  <b>VOCABULARY</b>  <b>GRAPHIC ORGANIZERS</b>	<b>ELEM PETERSON</b>  <b>Probability</b>	<b>SEC LYLE</b>  <b>Geometry</b>	<b>SEC PETERSON</b>  <b>Probability</b>	<b>ELEM LYLE</b>  <b>Geometry</b>	<b>PETERSON / MILLER</b>  <b>LYLE / ROBERTS</b>  <b>PRESENT SAMPLE LESSON PLANS</b>	<b>PARTICIPANTS PRESENT LESSON PLANS</b>
						10:30 –11:30 POST TEST	
						11:30-12:00 <b>ORIENTATION FOR FIELD EXPERIENCE</b>	
<b>12:00-1:00 LUNCH</b>							
1:00-2:00 <b>PRE-TEST</b>	1:00-3:15 <b>LYLE &amp; PETERSON</b>  <b>Measurement</b>  <b>(split Elem/Sec)</b>	1:00-3:00 <b>ELEM PETERSON</b>  <b>Data Analysis</b>	1:00-3:00 <b>SEC LYLE</b>  <b>Algebra Concepts</b>	1:00-3:00 <b>SEC PETERSON</b>  <b>Data Analysis</b>	1:00-3:00 <b>ELEM LYLE</b>  <b>Algebra Concepts</b>	1:00-4:30 <b>FIELD EXERCISE IN GUYMON</b>	1:00-4:30 <b>PARTICIPANTS PRESENT LESSON PLANS</b>
<b>HODGES 2:00-4:30</b>  <b>Reading Compre- hension of Math Problems</b>  <b>(BREAK 3:15-3:30)</b>	<b>(BREAK 3:15-3:30)</b>	<b>BREAK 3:00-3:15</b>  <b>3:15-4:30 SDE REP—EOI TEST PREPARATION</b>		<b>BREAK 3:00-3:15</b>  <b>3:15-4:30 E. STEWART DEVELOPING A PLAN OF IMPLEMENTATION</b>			
4:30-5:00 <b>EVALUATION AND JOURNALING</b>	4:30-5:00 <b>EVALUATION AND JOURNALING</b>	4:30-5:00 <b>EVALUATION AND JOURNALING</b>		4:30-5:00 <b>EVALUATION AND JOURNALING</b>		4:30-5:00 <b>EVALUATION AND JOURNALING</b>	4:30-5:00 <b>EVALUATION AND JOURNALING</b>