

(SMP)²

A Summer Institute for Teachers of 7th- and 8th-Grade Science and Mathematics

✓ Experience the science and mathematics of natural disasters

✓ Help equip your school and classroom with technology tools

✓ Receive up to **\$1000** stipend



The University of Southern Mississippi invites teachers from South Mississippi schools to “team-up” for a 10-day summer institute focused on natural disasters such as hurricanes, tornadoes, flooding and erosion as vehicles for introducing middle-school students to concepts and applications of science and mathematics. Participants leave with the experience of having put into practice new lesson plans that integrate science and mathematics on the topic of natural disasters.

Twenty-four teams will be selected from South Mississippi schools from the Gulf Coast to Jackson. Teams must consist of one, 7th and/or 8th grade science teacher and one, 7th and/or 8th grade mathematics teacher from the same school. To be eligible, teachers and their principal commit to the summer institute and a school-year component of in-school and on-line sessions. The institutes will be offered at two different Southern Miss locations: in June at the J.L Scott Marine Education Center and Aquarium’s interim location at the Gulf Coast Research Laboratory (GCRL) in Ocean Springs and in July at the Southern Miss campus in Hattiesburg.

SUMMER INSTITUTES

June 12-16 and June 19-23, 2006

J.L Scott Marine Education Center and Aquarium at the GCRL in Ocean Springs

July 10-14 and July 24-28, 2006

The University of Southern Mississippi in Hattiesburg

TECHNOLOGY TOOLS

The 2006 South Mississippi Science and Mathematics Partnership Program (SMP)² is a U.S. Department of Education-funded program. Teachers will use technology tools such as graphing calculators, computers and electronic visual learning aids during the institute. The (SMP)² will provide a SmartBoard technology system or an equivalent

to each of the participating schools.

Each participating mathematics teacher will receive an external jump drive and a TI-84 graphing calculator and view screen. Each participating science teacher will receive an external jump drive and a digital camera. Participants will receive a stipend of \$100 per day for 10 days participation in the summer institutes.

YOUR COST

Travel expenses; applicable fees if you want to receive academic credit

TO APPLY

Complete and mail or fax the application form and supporting materials. Include the following information with your Team application:

- 1) A short (two-page maximum) resumé for each team member, one for the mathematics teacher and one for the science teacher.
- 2) A letter (two page maximum) explaining why each teacher wishes to participate as a team in (SMP)² and how each teacher anticipates this program will benefit the school and others. This letter should also confirm the following commitments to the school year components of (SMP)²: to host university faculty at your school four times during the 2006-2007 school year, to present a staff development workshop to colleagues at school or in school district, and to submit an article to a national teacher’s journal and or present a paper or demonstration at a state or national conference.
- 3) A letter of recommendation on behalf of the team from the school principal.
- 4) A letter of commitment to the 2006-2007 school year component of (SMP)² from the school principal. (This may be a separate letter or incorporated into the recommendation letter).

(SMP)²

A P P L I C A T I O N

TEACHER NAMES:

Mathematics _____

Science _____

COURSES TAUGHT:

Mathematics _____

Science _____

MATHEMATICS Teacher Address: _____

City _____ State _____ Zip: _____

Home Phone Number: _____ Cell Phone Number: _____

E-mail Address: _____

SCIENCE Teacher Address: _____

City _____ State _____ Zip: _____

Home Phone Number: _____ Cell Phone Number: _____

E-mail Address: _____

SCHOOL _____ **PRINCIPAL** _____

School Address: _____

City _____ State _____ Zip: _____

School Phone Number: _____



Please circle team answers to the following questions:

- 1) Do you currently teach any science and mathematics in your curricula that feature the phenomena of natural disasters?
Yes No
- 2) Are you willing to spend 10 full days on-site either in Hattiesburg or at the Southern Miss J.L. Scott Marine Education Center and Aquarium in Ocean Springs to participate in the summer institute and some time online during the program?
Yes No
- 3) Are you willing to allow university faculty to participate in at least four days of classroom interaction during the 2006-2007 school year?
Yes No
- 4) Will you, as a team, commit to conducting a minimum of one professional (staff) development workshop within your school or district during the 2006-2007 school year based on your knowledge related to natural disasters?
Yes No
- 5) Will you commit to submitting an article to a national teacher's journal and/or presenting a paper/demonstration at a state, regional or national teacher's conference on specific techniques, concepts or activities that were developed by your team as a result of your participation in (SMP)² ?
Yes No
- 6) Are you willing to use the support materials from the summer institutes and those you may develop during your participation in (SMP)² in your classroom and disseminate those materials to peers?
Yes No
- 7) Are you currently a computer user? Yes No
- 8) Are you an Internet user? Yes No
- 9) Do you have Internet access in your school? Yes No
- 10) Do you wish to enroll in a three-semester hour graduate course?
Yes No

(SMP)²

A P P L I C A T I O N

MATHEMATICS Applicant's Name Printed: _____

MATHEMATICS Applicant's Signature: _____

SCIENCE Applicant's Name Printed: _____

SCIENCE Applicant's Signature: _____

I support the participation of _____ (mathematics) and _____ (science) in the 2006 (SMP)² which focuses on natural disasters to enhance content knowledge in middle school mathematics and science as well as the use technology to facilitate learning. I fully understand the commitments required on the part of the participating teachers and my school district as outlined above.

PRINCIPAL'S Name Printed: _____

PRINCIPAL'S Signature: _____

Comments: _____



Return all application materials to the appropriate contact:

USM-HATTIESBURG

July 10-14 and July 24-28, 2006
Hattiesburg, MS

Dr. Sherry Herron or Dr. Myron Henry

Center for Science and Mathematics Education
118 College Drive
Box 5087
Hattiesburg, MS 39406-0001
Phone: 601.266.4739
Fax: 601.266.6145
E-mail: sherry.herron@usm.edu
myron.henry@usm.edu

Application material may be faxed to 601.266.6145
www.usm.edu/csme/

USM-GCRL/MEC&A

June 12-16 and June 19-23, 2006
Ocean Springs, MS

Dr. Shelia A. Brown

J.L. Scott Marine Education Center and Aquarium
703 East Beach Drive
Ocean Springs, MS 39564
Phone: 228.818.8890
Fax: 228.818.8894
E-mail: shelia.brown@usm.edu

Application material may be faxed to 228.818.8894.
www.usm.edu/aquarium