

Math Solutions for High School (9–12)

A Five-Day Course

Math Solutions for High School (9–12)

makes standards-based math instruction come alive in the secondary math classroom by showing teachers how to teach mathematics using a problem-solving approach. The course focuses on the concept of function as a thread that runs through the high school math curriculum and draws from the areas of algebra, geometry, probability, and statistics. *Math Solutions for High School* will help teachers develop instructional strategies that will allow them to better prepare students for the End-of-Course exams in Algebra and Geometry. The EOC exams require students to think critically and justify their reasoning. Participants receive a coursebook of ideas for

"I'm so impressed with this course—I learned the value of discourse and writing in math, and of allowing for various points of view when solving a problem."
Teacher, Grade 9–12

classroom use and sample manipulative materials appropriate for their students.

Who Should Attend This course is for math teachers, department heads, curriculum directors, supervisors, and principals. We especially encourage teams from the same school or district to attend.

What You'll Learn Participants learn how to:

- teach problem-solving in all classes;
- incorporate computers and graphing calculators into classroom instruction;
- organize classes for cooperative learning;
- use manipulative materials to teach math concepts;
- integrate algebra and geometry;
- expand math courses to include topics such as probability and statistics; and
- use writing to help students clarify their thinking.

Schedule & Information

Dates

July 29–August 2, 2002

Time

8:30 A.M.–3:45 P.M.

Place

Clinton Elementary School
142 Hollywood Avenue
Sherwood, AR 72120

Host

The Arkansas Center for Mathematics Education, in cooperation with Clinton Elementary School, and Pulaski County Special School District.

Credit

- Three graduate credits will be available through the University of

Central Arkansas. For more information please contact the Dept. of Mathematics (UCA) at (501) 450-3426.

- If you are currently enrolled in a university program, you may be eligible for credit through an independent study. Contact Marilyn Burns Education Associates for an independent study information packet.

Registration Deadline

Wednesday, May 1, 2002

Cost

A special registration cost of \$375 (Arkansas teachers only). Participants will receive a sample kit of manipulatives and a complimentary copy of *About Teaching Mathematics, Second Edition*.

Contact

Judy Trowell
Arkansas Department of Higher Education
Phone: (501) 371-2064
E-mail: judyt@adhe.arknet.edu

Math
SOLUTIONS[®]
Inservice
www.mathsolutions.com