

HOW TO REGISTER:

Registration and payment on-line at

<http://eyh.smwc.edu> is preferred, or fill out the attached form and mail to the address provided by **October 11, 2008**.

A signed permission form must also accompany your registration. You can download the form at <http://eyh.smwc.edu> and mail it in with your registration.

If you are registering on-line, you will be prompted to complete the permission form. Your registration will not be complete until the permission form and payment has been received.

REGISTRATION FORM

(select one)

Registration for: Student Parent

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____

E-mail: _____

Parent's E-mail: _____

School Attending: _____

Grade: _____

T-shirt size: (select one)

Youth: SM. MED. LG. XLG.

Adult: SM. MED. LG. XLG.

Students: List three workshop choices in order of preference.

Please mail registration form, payment and signed permission form to:

Dr. Janet Clark
Expanding Your Horizons at SMWC
Hulman Hall
Saint Mary-of-the-Woods College
Saint Mary-of-the-Woods, IN 47876

(Please make checks payable to
Saint Mary-of-the-Woods College)

ATTENTION PARENTS & TEACHERS:

A separate program for parents and adults will run concurrently with the girls workshops. Learn how you can encourage your daughters or students to remain interested in math and science. Learn how to motivate them to pursue their careers of interest. This session will help parents understand why they need to be supportive of their children's choice and how to help them achieve their goals.

ADULT WORKSHOPS

A1. MOTIVATION BREAKTHROUGH. Learn how you can encourage your daughters or students to remain interested in math and science. Learn how to motivate them to pursue their careers of interest. This session will help parents understand why they need to be supportive of their children's choice and how to help them achieve their goals. Alexandra Kanellis, Ph.D., Assistant Professor of Education, SMWC.

A2: INVESTING IN YOUR DAUGHTER'S

FUTURE. Hear some of the recent studies regarding the importance of math and science especially for women and about initiatives and strategies being developed by the state and federal governments. Also, learn why you might begin thinking about financing your daughter's education now. Dottie King, Ph.D., Interim Vice President of Academic Affairs and Associate Professor of Mathematics, SMWC and Jacki Switzer, Director of Financial Aid, SMWC.

**DOOR PRIZES INCLUDE TEN \$1,000
SAINT MARY-OF-THE-WOODS COLLEGE
ACADEMIC SCHOLARSHIPS.**

For addition information:

Dr. Janet Clark at 812-535-5295
jclark@smwc.edu

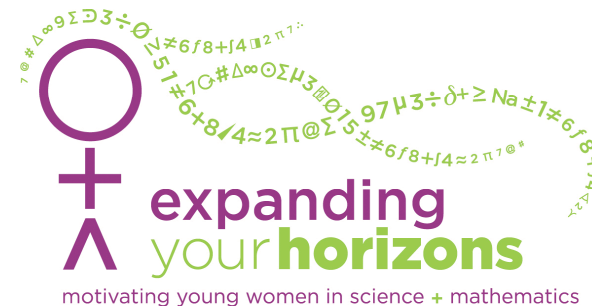
or

Dr. Anneliese Payne at 812-535-5183
apayne@smwc.edu



**SAINT MARY-OF-THE-WOODS
COLLEGE**

Presents the first annual
**Expanding Your Horizons in
Science and Mathematics**



motivating young women in science + mathematics

All girls in grades 6-8

**Saturday, October 25, 2008
9:00 AM-3:00 PM
Hulman Hall**

**Saint Mary-of-the-Woods College
Saint Mary-of-the-Woods, IN**

**Registration Deadline:
October 11!**

<http://eyh.smwc.edu>

**Registration fee: \$15.00
(Includes lunch and T-Shirt)**

OK GIRLS, YOU CAN ADMIT IT. SCIENCE, MATH AND TECHNOLOGY ARE PRETTY COOL!

At the Expanding Your Horizons Conference, we'll show you how fun science, math and technology can really be!

Expanding Your Horizons in Science and Mathematics™ conferences nurture girls' interest in science and math courses to encourage them to consider careers in science, math, technology, and engineering.

The Conference is open to 6th, 7th, and 8th grade girls and their parents, teachers, or troop leaders. Each EYH conference features hands-on activities where girls participate in fun and challenging hands-on activities led by women mathematicians, scientists and engineers.

Through these exciting and interactive hands-on workshops, young women like you learn that studying math and science can be fun! By using local volunteers to lead workshops, you will meet with mathematicians, engineers and scientists who live and work in the Wabash Valley. They will show you how they use math and science in their careers, and may serve as possible mentors to you in the future.

CONFERENCE SCHEDULE:

- 8:30-9:00. . . . Sign In
- 9:00-9:15. . . . Welcome & Introduction
- 9:15-9:45. . . . Keynote speaker
- 10:00-10:45 . . . Workshop I
- 11:00-11:45 . . . Workshop II
- 11:45-12:45 . . . Lunch
- 12:45-1:45. . . . White Violet Center Tours
- 2:00-2:30. . . . Science Demonstration Show
- 2:30-3:00. . . . Closing & Door Prizes

Conference is located in Hulman Hall on the beautiful campus of Saint Mary-of-the-Woods College. A map can be found at <http://eyh.smwc.edu>.



HANDS-ON WORKSHOPS

(Choose your top three!) Every effort will be made to consider your preferences.

1. TO FUN-INITY AND BEYOND. Experience hands-on fun with computers. Come and play; explore the inside of a computer, build a Lego "Thing", IM each other on a DS Lite, or paint a picture with a Tablet PC. Lana Lytle, Computer Specialist, SMWC.

2. HEALTHY HORSE, HAPPY HORSE! Students will assess the health and soundness of horses at the SMWC Equine Center. Topics covered will include taking vital signs and assessing lameness. These skills are required of anyone working in the field of horse care, from veterinarians to farriers to farm managers. Sara Schulz, Equine Science, SMWC.

3. ECOLOGY: IT'S IN MY GENES? This workshop will teach you about the field of molecular ecology, which uses molecular biology techniques to answer questions about animal ecology, behavior, and conservation. All studies of molecular ecology begin with the extraction of DNA and you will learn how to do that technique and perform an extraction yourself. Elaina Tuttle, Ph.D., Molecular Biologist, Indiana State University.

4. THE BEAT OF YOUR HEART. In this workshop you will become a blood cell and follow the path the blood takes through the heart picking up oxygen from the lungs and taking it to the tissues in the body. You will also listen to your heartbeats and take blood pressures at various points along the way. Jacqueline Holder, D.O., Pediatrician, Associated Physicians and Surgeons Clinic.

5. HAVE FUN WITH PHYSICS. Discover this branch of science which answers almost all intriguing questions of the world that we see and do not see. Come prepared to learn and some basic principles behind telescopes and microscopes. Sudipa Kirtley, Ph.D. Research Physicist, Rose-Hulman Institute of Technology.

6. ROADS TO SUCCESS. This workshop will focus on the concepts and practices of highway engineering (*and how to determine which bumpy road gets fixed first!*) You will also have the opportunity to participate in a Build a Better Bridge Challenge! Jeannie Bland, Civil Engineer, Illinois Department of Transportation.

7. CHEMISTRY SUDOKU. Participants will perform chemical reactions in test tubes and observe the reactivity of chemicals through exciting changes involving energy and color. Using their observations, participants will act as scientists to solve a puzzle! Rebecca DeVasher, Ph.D., Research Chemist, Rose-Hulman Institute of Technology.

8. EXPLOSIVE POPFLY PROGRAMMING. Interactively learn the basics of computer programming with a fun and easy game. See who can catch the moving object on the screen and make it explode! Maggie Mullins, IT Specialist, AIT Laboratories.

9. NATURIFIC! This workshop will emphasize how exciting and interactive teaching ecology and natural science can be with the use of interpretive centers and educational programs. Learn how you can help spread the word and teach others about preserving our planet. Candace Hack, Environmental Educator, White Violet Center.

10. WHEN "MEOW" OR "WOOF" MEANS "OUCH, THAT HURTS!" How do doctors treat patients who can't tell them in words what is wrong? In this workshop find out what a typical day is like for a vet, and have a chance to evaluate some furry patients! Nancy Schenck, D.V.M., Veterinarian, Petcare Animal Hospital.