

DIRECTIONS TO MAIN CAMPUS

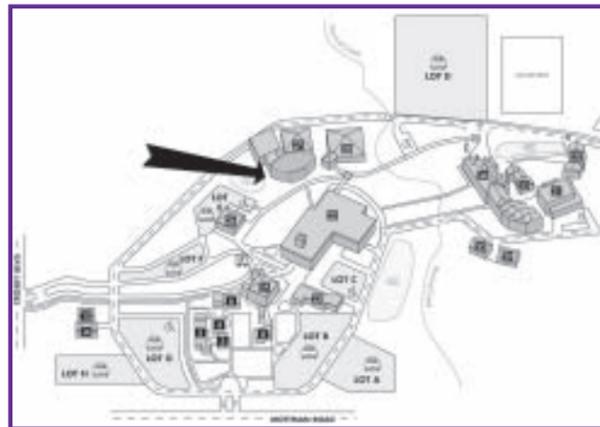
From I-5

- North or South
- Take Exit 104
- Take first exit on RIGHT – Cooper Point Rd./Crosby Blvd.
- From exit ramp turn LEFT
- At second light, turn RIGHT onto Mottman Rd.

From Highway 101 from Shelton/Aberdeen

- Take Cooper Point Rd./Crosby Blvd. Exit
- From exit ramp, turn RIGHT
- At light turn RIGHT onto Mottman Rd.

Main entrance is the first left off Mottman Rd. Conference signs will guide you to parking and the Student Union Building.



For More Information

Phone: Jeanette Whitcher, 357-9748
Web: www.starjumper.org Watch for Updates!
email: info@starjumper.org

Organizing Committee

Jeanette Whitcher	Jill Turner
Carla Idohl-Corwin	Shaila Fisher
Nancy Johnson	Laurel le Noble
Kate Bligh	Karan Wade-James
Cathy & Steve Shippee	Tina Mottern
Vicki Ogden	Shamoon Ali
Steve & Ilene Dickerson	Rosanne Nicholson
Nancy Deakins	

SATURDAY NOVEMBER 1, 2003

(Priority Deadline October 17, 2003)

THURSTON COUNTY

EXPANDING
Your
HORIZONS

$\frac{(x-2)^2}{65} + \frac{(y-11)^2}{13} = 1$

MATH & SCIENCE
CONFERENCE
FOR 6TH, 7TH, 8TH GRADE GIRLS

Registration first-come, first-serve. Register now the great EYH workshops!

South Puget Sound Community College
2011 Mottman Road SW
Olympia

Sponsored by:

- South Puget Sound Community College
- American Association of University Women; Olympia Branch
- Washington State University Cooperative Extension Energy Program
- Northwest Education Loan Association
- Capitol City Press
- Mail Boxes Etc.
- Nellie Mae
- Wilcox Farms
- L&E Bottling

EXPANDING YOUR HORIZONS CONFERENCE GOALS

- Increase young women's interest in mathematics, science and technology.
- Provide an opportunity to meet women working in nontraditional fields.
- Foster awareness of careers for women in mathematics, technology and science-related areas.

Photos will be taken during the conference. Please contact us if you have any concerns.

ABOUT EXPANDING YOUR HORIZONS

"Why don't more girls take Math and Science courses? Math and Science are not just for boys."

In 1975 a group of professional women wondering about the reasons for this decided that not enough girls knew about women who had careers in Math and Science. They started brainstorming and their plan became the first "Expanding Your Horizons in Science and Mathematics" conference.

The first conference was held in March 1976 at Mills College in Oakland, California. More than 200 young women attended and met women who were physicists, engineers, scientists, and physicians. Most of the girls came away from the conference with new ideas and the feeling that Math and Science were "okay".

From the beginning, Expanding Your Horizons conferences have been held in cities across the United States. More than 165,000 young women have attended, participated, and enjoyed learning about career possibilities in the Math and Science fields. In Washington State, conferences are held in more than 16 cities throughout the year.

The Expanding Your Horizons conference in Olympia is held in the fall. The local chapter of the American Association of University Women sponsors the event. Organized and presented by a group of interested women and men, our local conference has grown in attendance each year. Every fall more young women have an opportunity to explore what it might be like to have a career in Math and Science.

The Organizing Committee welcomes new members. If you are interested, please check the registration form.

For Parents!

We are again offering a concurrent workshop for parents. Experts will present ideas about how to support and promote your daughter's interest in science, technology and math education. Discover tips and tools you can use to assist in her development.

The workshop will include topics covering information about educational opportunities available in Thurston County schools including information about current trends in science, technology and math career fields. Information will be available regarding the special challenges students face, the educational opportunities available after high school and what colleges look for in a student applicant. The Running Start program and financial aid preparation will also be discussed.

Parent participants are invited to attend both Main Stage events, an Inspirational Morning Moment from Nalini Nadkarni and then after the "Fire and Ice" presented by "Mad Science"!

This is a single workshop that parallels the events presented for the girls. It was very popular last year so please be aware that space is limited. Sign up early to reserve your seat. There is a small fee of \$10, but scholarships are available. No on-site registrations will occur.

If you are interested, sign up using the registration form.

On the Mainstage, EYH Keynote Show

"Fire & Ice" presented by Mad Science!

Mad Science is an organization dedicated to sparking the imagination through fun, entertaining and educational activities that instill a clear understanding of what science is really about how it affects the world. It was established in 1985 for the purpose of science education and there is now a network of locations in 156 North American cities and 22 countries around the world and they have presented to millions of participants. Their mission: "Stimulate scientific learning through hands-on, fun scientific activities!"

Mad Scientist Gabby Huffman will present "Fire & Ice" exploring basic science through combustion, giant vortexes and bubbling potions to help explain the three states of matter for a very cool time. The event wraps up with a refreshing Dry Ice bubble shower! This event is sponsored by Nellie Mae.



Column A

A1 Who Dunit?

How are fingerprints discovered?

What can we learn from them? Take your own fingerprints and discover your pattern type.

Cheryl Rivers Forensic Scientist; Washington State Patrol Crime Laboratory

A2 Girls Found in Cyberspace

Use a digital camera for your personal web page to jazz it up. Discover the new dimensions of digital cameras and take home your work on a disk.

Deborah Hale Director of Media Services, Program Coordinator; ESD 113

A3 Building Blocks

What does it take to get a building built? Learn about all the pieces and players that go into building a building. Develop your own solution to a real building design project.

Jeanne Rynne Dean of Capital Facilities; SPSCC

A4 Bone Health

Learn how to evaluate x-rays, view samples of health bone and not so healthy bones and learn how to keep healthy bones.

Laurie Gunther, Julie Ramirez X-ray technician; Olympia Osteoporosis Center

A5 Career Opportunities in Dentistry

Find out about career opportunities in denistry, make dental forms.

Akiko Kitada, DDS Dentist; Capital Family Dentistry

A6 Ever Wish You Really Understood Why Airplanes Fly?

Put together your own model airplane with working flight controls and you will be able to see and explain how an airplane moves through the air. Take your airplane home with you.

Kerri Ballard Pilot; Alaska Airlines

A7 A Career in Dental Public Health

Learn how you can use your education in health sciences to promote health through Public Service...a varied and fascinating alternative to private practice!

Marian Mehegan DDS, MPH US Dept of Health and Human Services

A8 Solving the Case of the Mystery Disease

Discover how epidemiologists are like detectives in finding out about diseases. Flip coins to find out about chance epidemics. Use data and your creativity to figure out the cause of a real disease in the southeastern United States.

Lauren B. Jenks, MPH, CHES Research Investigator, MCH Assessment Unit, WA Dept. of Health

A9 Reach For The Stars

An introduction to youth model rocketry. Actual hands-on exercises providing solid links to science and math principals.

Sandra Blazevich, Keri Beland; Strategies Training Systems and CE Credits Online

A10 Get The Word Out By Picture

Learn about the development of social marketing via satellite and web page.

Learn how to 'produce' a short message about the environment.

Jan Seago Water Resources Education Coordinator; WSU Cooperative Extension

A11 Math and Basketry

Ancient traditions relied on geometry, as is evident in baskets that are hundreds of years old. You will complete a weaving project with a basic geometric design while discussing tribal history of Pacific Northwest tribes.

Trudy Marcellay Speech pathologist, social worker; DSHS, Indian Policy Support Svcs

Column B

B1 Shop Smart to Make Less Waste

Where does you garbage come from? The store! That's right - you can buy garbage at the store! But why would you want to? Learn how to shop smart and make less waste. Find out how to shop smart and make less waste in this simulated shopping trip. You will also learn where all that garbage goes, too.

Janine Bogar Education and Outreach Specialist II; Thurston County Solid Waste

B2 There's groundwater in my glass!

We drink groundwater. Come use pumps, water, soil, sand, and gravel to build a groundwater model. Experiment to see what contaminates the water and what helps keep it clean. You'll get to take home your own model.

Jane Mountjoy-Venning Education and Outreach Specialist; Thurston County Environmental Health

B3 Whatever Floats Your Boat

Enter the race to build a mousetrap boat. Make a sea-worthy craft from simple materials to carry a mousetrap across our racing pool.

Sharon Love, Elizabeth Healy, Cathy Nicholas, Liana Liu Highway Engineers; Federal Highway Administration

B4 Magnetic Storms From the Sun

Experiment with magnetic fields, and learn how they cause explosions on the sun. Find out how these magnetic storms knock out cell phones and affect earth's weather.

Dr. E.J. Zita Professor of Astrophysics; The Evergreen State College

B5 Hot issues for good health in middle school.

Learn what a registered dietitian does as you help this nutrition expert to analyze 25 popular teenage foods for whether they are good, bad, or in between. ?Some of your favorite foods will be analyzed!

Dixie Havlak Registered Dietician; Lifetime Nutrition Target Nutrition

B6 Spark the Heart!

How can you revive a dead heart? Use CPR and the latest emergency medical tools to treat a cardiac arrest. Demonstrates an Automatic External Defibulator (AED).

Cindy Taylor Paramedic/Firefighter; Lacey Fire Department

B7 Eco-Logic

Do you like to play outside? Eco-Logic is all about having fun in nature while supporting and protecting the environment. Come and do just that!

Hillary Naught Student; Student TESC

B8 "Chocolate Asphalt"

How is a road made? What properties are important? Learn about roadbuilding and blacktop paving by simulating the process with chocolate pavement.

***Warning: nuts will be used and eaten during the course of this workshop.*

Naomi Selove and Andrea Hammelman Civil Engineers; BERGER/ABAM Engineers, Inc. and Entranco

B9 The Best Kind of Airhead!

Find out what causes air pollution and what environmental engineers do to protect our air.

Jennifer DeMay Engineer II; Olympic Region Clean Air Agency

B10 Splash when you crash

Calling all bicyclists..Join us in building the best performing bicycle helmet or 'brain bucket' for an egg. Of course...we'll be testing and scrambling eggs/brains - join the fun

Megan P. Hall, Cathy Nicholas and Mary Gray Highway Engineers; Federal Highway Administration

B11 Mastering Your Muscles

We will discuss various physical therapy settings and share evaluation and exercise techniques. Have fun challenging your muscles with exercise, balance and equipment.

Melissa Chase Physical Therapist; Providence Tumwater Valley Physical Therapy

Column C

C1 Naturopathic Care Your Way to Healthy Skin

The skin is the body's largest organ and is subject to reactions from inside and outside the body. Learn natural therapies to treat common teenage skin problems such as acne, poison ivy, fungal infections, and other dermatological problems.

Patty Allen, N.D. Naturopathic Physician

C2 The Secret Life of Amphibians

Explore what it takes to be a herpetologist. Learn about amphibians, methods used to find these secretive animals, and interesting facts about Washington's amphibians. Depending on weather, a pond tour may be included.

Lisa Hallock Herpetologist; Natural Heritage Program -DNR

C3 All Creatures Great and Small

Try various techniques such as suturing, injections, lab diagnostics, x-ray viewing, bandaging, simulated large animal obsterics and more.

Sharon Starry, DVM Veterinarian; Yelm Veterinarian Hospital

C4 The Rad Doctor

What is a "Rad Doctor" and how does one become one of those?

Stephanie Flagg-Rhett, MD Physician; Group Health Permanente

C5 It's a gas!

What causes climate change? Unpredictable weather is uncomfortable and confusing. What should I wear? When should I plant my garden? We'll have to deal with this more often.

Dominique Bachelet Ecosystem Modeler; Oregon State Univ., Dept of Bioengineering

C6 Ring Around The Rosey

True tales from the secret world of bacteria, fungus and parasites. Hear and see fascinating medical microbiology cases encountered in a hospital laboratory. This will bring out the detective in you!

Susan McDonald Microbiologist; St. Peter's Hospital

C7 Dead Men Really Do Tell Tales!

In a fictional case, a body is found on the beach. Using a combination of sciences, help determine who the person is and how, when, and where he died.

Judy Arnold Thurston County Coroner; Thurston County

C8 Fish Tales

Learn how and why fish biologists mark and tag fish.

Laurie Peterson, Kyong Yi, Angelika Hagen-Breaux Biologists; WA. Dept of Fish & Wildlife- Fish Program

C9 The Grass is Always Greener Underwater

Take a breath and look at what lives below the surface of the sea. Learn about the habitats of organisms in Eelgrass Meadows and see scuba diving gear up close and personal.

Amy Sewell Marine Scientist; DNR, Aquatic Resources Div, Nearshore Habitat Program

C10 Beebop with Reebops

Learn about genetic variation by building your own imaginary organisms called Reebops with marshmallows. Will your creature have a straight tail or a curly one, two eyes or three?

Carol Aubry, Ph.D Molecular Geneticist; U. S. Forest Service

C11 Psychomotor Skills VETMED Class #408

Learn the same techniques the vets learn.

Kim Martin, DVM Veterinarian; Steamboat Animal Hospital

Registration Information

How to sign up for hands-on workshops

Expand your horizons. Choose workshops that offer new and different challenges. Choose three workshops, a first, a second, and third choice from EACH of Column A, Column B, and Column C. Each column has an individual math or science focus. While we will try to honor your specific requests, it is not always possible and you may be lucky enough to experience an unexpected learning opportunity!

Schedule November 1, 2003, 8:00am-12:50 pm

8-8:20

Registration

8:20-8:35

Inspirational Moment with Nalini Nadkarni and Housekeeping

8:40-9:30

Workshop I

9:35-10:25

Workshop II

10:30-10:45

Break

10:50-11:40

Workshop III

11:50-12:50

Main Stage Event (Fire & Ice)

Parents please pick up your student at 1:00pm. Please make clear arrangements regarding transportation plans.

Fees

The conference fee is still only \$10.00. This includes all materials and snacks. The Parent Workshop is an additional \$10. All fees are nonrefundable.

How to register

Preregistration is required. **There will be no on-site registration.** Please enclose your **check payable to Expanding Your Horizons** with the registration form and mail to: Expanding Your Horizons, 1001 Cooper Pt. Rd SW, Suite 140-#352, Olympia, WA 98502. You will receive confirmation by mail. Please register as soon as possible, workshop requests are filled on a first-come first-served basis. To receive notification of registration please register by October 17, 2003. Registration is accepted until full or October 30, 2003.

Additional materials

A complete conference information packet will be given to each student on the day of the conference.

Accommodations for disabilities

Participants requiring special accommodations can call Carla Idohl-Corwin at 360.754-7711 ext. 5235

EYH STUDENT REGISTRATION FORM

Check box if scholarship is requested. Check box if special assistance is required. Check box if you are a returning EYH participant.

Name _____ Phone _____

Address _____

City _____ Zip Code _____

School _____ Grade _____

Indicate your first nine (9) choices for workshops. Put the workshop letter and number on the blanks provided. Choose 3 workshops from each column. You will be assigned to 3 workshops on a First-Come, First-Served basis, which means that you may get into an unanticipated workshop.

Column A #1 _____ #2 _____ #3 _____

Column B #1 _____ #2 _____ #3 _____

Column C #1 _____ #2 _____ #3 _____

Parent Workshop Sign Up

Check box if scholarship is requested. Check box if special assistance is required.

Name _____

Parent Involvement: Seeking parent involvement for planning next year's conference. Yes, I'm interested in attending a committee meeting.

Print Parent Name _____

PREFERRED REGISTRATION DEADLINE: 10/17/03 for verification of registration/enrollment; All others: ACCEPTED UNTIL FULL or OCTOBER 30, 2003