

DIRECTIONS TO MAIN CAMPUS

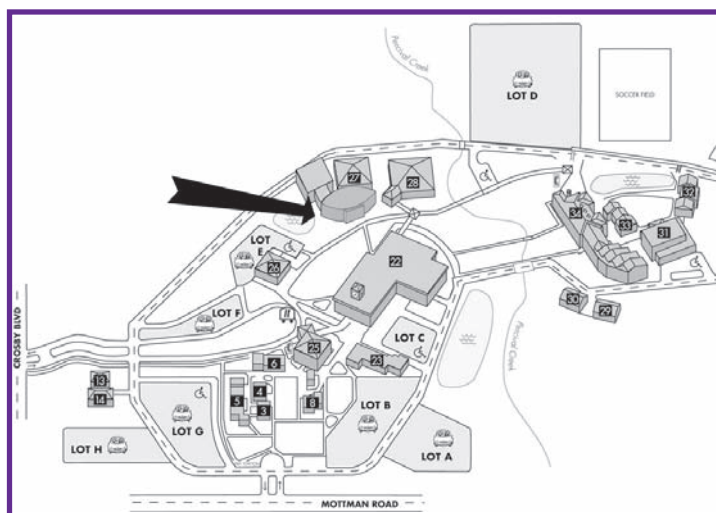
From I-5

- 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.



Due to South Puget Sound Community College construction some road changes may be in place on campus. Please check our website for updated information.

For More Information

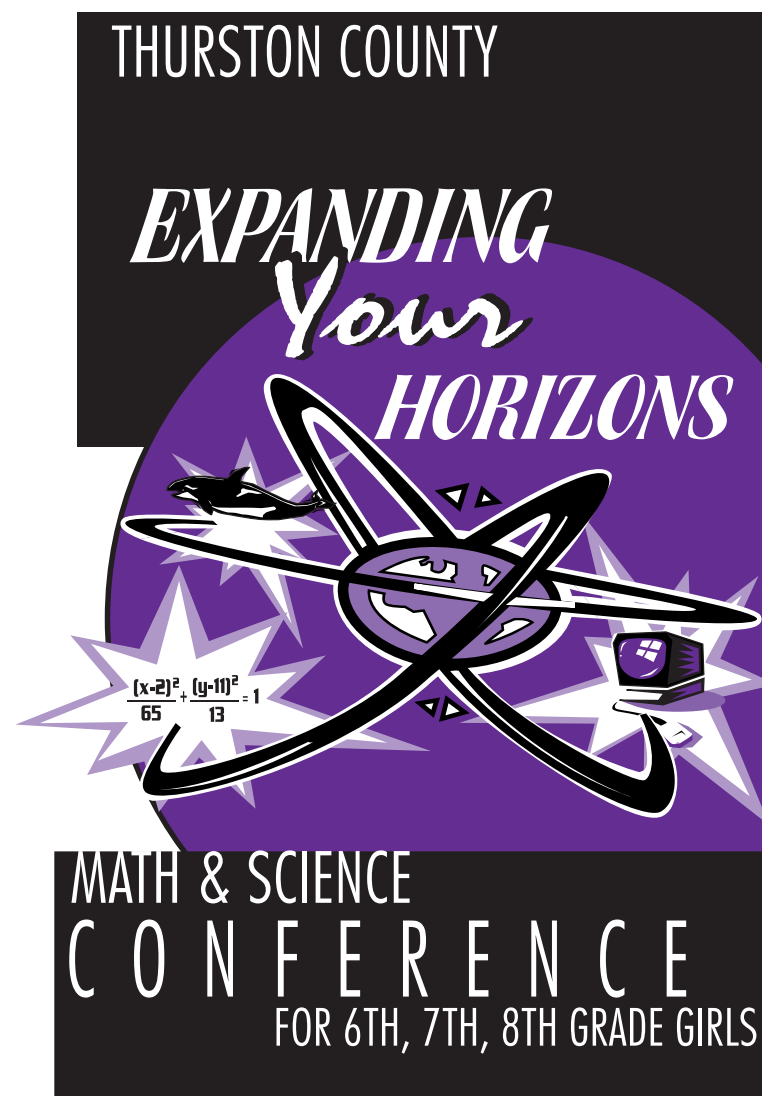
Phone: Jeanette Whitcher, 357-9748
Web: www.starjumper.org Watch for Updates!
email: info@starjumper.org

Organizing Committee

Jeanette Whitcher	Jill Turner
Carla Idohl-Corwin	Shaila Fisher
Nancy Johnson	Laurel le Noble
Sharon Jones	Karan Wade-James
Cathy & Steve Shippee	Tina Mottern
Vicki Ogden	Margot Milburn
Steve & Ilene Dickerson	Anita Benson
Nancy Deakins	

SATURDAY NOVEMBER 6, 2004

(Priority Deadline October 15, 2004)



Registration first-come, first served. Register now for 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
- Mud Bay Coffee Company
- Washington State University
- Northwest Education Loan Association
- Capitol City Press
- The UPS Store
- Wilcox Farms

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.

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.

On the Mainstage, EYH Main Stage Event



Volts & Jolts

Get ready for hair-raising science with Volts & Jolts! This interactive science show introduces participants to many aspects of electricity, from zip-zappy-experiments to important everyday uses. Volunteers are needed as we create shocks and sparks using a Van de Graaff generator, illuminate a light bulb in mid-air and make a human circuit. Whether your question is "How can we conserve energy in our lives?" or "What do humans and copper wire have in common?", you'll find the answer in Volts & Jolts!

Parent Workshop

We are again offering a concurrent workshop for parents!

A variety of speakers from agencies and local schools will present ideas about how to support and promote your daughter's interest in math, science, and technology. This workshop has been a big hit and fills quickly so sign up early to reserve your space. Already scheduled to appear:

Sue Feldman - School Improvement Administrator at the Educational Services District 113. Ms Feldman will discuss the process and impact of the Washington Assessment of Student Learning (WASL)

Kathy Lundeen - Director for Running Start and Academic Records at South Puget Sound Community College ñ Ms Lundeen will talk about the Running Start Program and what students and parents should know about the transition from high school to college.

John McLain - Associate Director for Policy at the Higher Education Board ñ Mr. McLain will talk about post secondary education for students in the areas of math, science, and technology.

Susan Haskin - Director of Community Relations at the Tumwater School District ñ Ms Haskin will talk about educational opportunities in the Tumwater School District

Denise Fry - Outreach Coordinator for Guaranteed Education Tuition at the Higher Education Board. Ms Fry will explain the Guaranteed Education Tuition plan.

This is a single workshop that runs from 8:40am to 11:35am. A small snack and handouts are included with your registration, plus workshop participants are invited to attend our Main Stage presentation immediately after. There is a small fee of \$10, and scholarships are available upon request. Sorry, no on-site registrations.

You may register for this workshop using the same registration form designed for the middle school participants. Be sure to check the web site for updates: www.starjumper.org



Column A

A-1 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, Trisha Milos Marine Scientists DNR, Aquatic Resources Div, Nearshore Habitat Program

A-2 Slugs, Snails and Salamanders

Get up close and get to know these slimy, slithering creatures of the forest.

Carol Aubry, PhD Plant Geneticist, U. S. Forest Service

Joan Ziegler PhD Forest Ecologist, U. S. Forest Service

Susan Piper, M.S. Wildlife Biologist, U. S. Forest Service

A-3 Fish Tales

Through hands-on activities learn how and why biologists conduct scientific studies on salmon in rivers and in the marine environment in the Pacific Northwest.

Laurie Peterson, Kyong Ki, Angelika Hagen-Breaux Biologist, WA. Dept of Fish & Wildlife - Fish Program

A-4 Learn about treating broken bones and how to splint and cast them

Learn how to treat broken bones with casts and splints

Jeanne Boudrieau Family Nurse Practitioner

A-5 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

A-6 Making Nursing (Really) FUN!

Explore nursing as a career and practice learning how to take a blood pressure, use a reflex hammer, test hearing. Move from station to station staffed by practicing nurses. Begin a journey that will take you deeply into people's lives and give you excitement for a lifetime.

Maddy DeGive Director of Student and Staff Support, North Thurston Public Schools

A-7 PVETMED Class #408

Learn the techniques the vets learn.

Dr. Noreen Jeremiah Veterinarian, Steamboat Animal Hospital

A-8 Is There a Doctor in the House?

What's it like to be a family doctor and treat everything from babies to grandparents?

Samantha Ritchie Physician, McCleary Family Clinic

A-9 All Creatures Great and Small

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

Sharon Starry, DVM Veterinarian, Yelm Veterinary Hospital

A-10 Ring Around The Rosy

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

A-11 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.

Patti Allen, N.D. Naturopathic Physician

Column B

B-1 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

B-2 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

B-3 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

B-4 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? 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

B-5 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 Capital Projects Program Manager, Puyallup School District

B-6 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, Mary Gray, Liana Liu Highway Engineer, Federal Highway Administration

B-7 Chocolate Asphalt

How is a road made? What properties are important? Learn about road building 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 Civil Engineer, BERGER/ABAM Engineers, Inc.

Andrea Hammelman, E.I.T. Civil Engineer, Entranco

B-8 How Does A Computer Add Two Numbers?

You use personal computers and other computer -based equipment in your everyday lives. We will allow you to develop basic understanding of how a computer works.

Sandra Blazevich Vice President, Strategies Training Systems and CE Credits Online

B-9 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 Highway Engineers, Federal Highway Administration

B-10 Osteoporosis, Not Just Your Grandma's Disease Anymore

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

Laurie Gunther, Julie Ramirez X-ray Technologist (Laurie) X-ray Technician (Julie)

Olympia Osteoporosis Center

B-11 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

Column C

C-1 Space Weather

How does weather in space affect Earth and other planets? The Sun has magnetic weather, including winds, storms, and quiet periods. This space weather can affect the Earth and our climate, causing radio storms, northern lights, and even droughts or cold spells. Come learn about space weather and play with magnetic fields.

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

C-2 Toxic Chemicals in My Town??

Learn why it is important to know about chemicals in your community. Try a computer program that shows what's in your zip code and then take it home.

Idell Hansen Environmental Specialist, Department of Ecology

C-3 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

C-4 Find Out What Causes Earthquakes and Volcanoes in Washington

Find out what causes earthquakes & volcanoes by learning about plate tectonics.

Beth Norman Geologist, Pierce Community College

C-5 Blast off to Mars!

WANTED: Women with a heart for adventure, a yearning for exploration and a mind for discovery! You will blast off and discover how female astronauts eat, sleep and live in space. Come learn about being an astronaut and about the future of women in space as we return to the moon and journey to Mars.

June Dhamers Teacher, Member of the NASA Network of Educator Astronaut Teachers, North Thurston Public Schools

C-6 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. Sponsored by the women mechanics & pilots of Alaska Airlines.

Kerri Ballard Pilot, Alaska Airlines

C-7 The Best Kind of Airhead!

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

Rebecca Hersha Air Quality Specialist I, Olympic Region Clean Air Agency (ORCAA)

C-8 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

C-9 Water World

Water is identified as the number one global issue. What is the future of our water?

Whose water is it anyway? and Why is the Defense Department concerned about water wars? What does it mean to me? Come play the water wheel and find out.

Linda Glasier Sustainability Coordinator, Department of Corrections

C-10 The Truth about Carbs: from Carrots to Cookies

What are carbohydrates and where do you find them? Are they good for you or bad for you? Reveal the worst, the best, and the yummiest. Taste test some simple and complex carbs as you learn with this nutrition expert.

Dixie Havlak Registered Dietitian, Lifetime Nutrition

C-11 Dead Men Really Do Tell Tales!

Using a combination of sciences, help determine who the person is and how, when, and where he died.

Martha Reed Mason County Coroner, Mason County

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

8:00-8:20	Registration
8:20-8:35	Conference Kickoff
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 (Volts & Jolts)

Parents, please pick up your student at 1:00 pm. Please make clear arrangements regarding transportation plans. Photos will be taken during the conference. Please contact us if you have any concerns.

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.

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: 10/15/04 for verification of registration/enrollment; All others: ACCEPTED UNTIL FULL or OCTOBER 30, 2003

Workshop requests are filled on a first-come first-served basis. To receive notification of registration please register by October 15, 2004. Registration is accepted until full or November 3, 2004.