

Registration Information

How to select workshops

Choose three workshops from each column: A, B and C, for a total of nine choices for workshops. We will do our best to honor your request but since this is not always possible, you may have a totally unexpected opportunity.

Parent pickup

Please pick up your student at 1:40 p.m. in the Gym, Bldg. 31.

Fees

The conference fee is \$12. This includes all materials and snacks. The Parent Workshop is an additional \$12. All fees are non-refundable. Scholarships are available.

How to register

Pre-registration is required for both students and parents. There will be no on-site registration. Register online at www.starjumper.net with payment via Paypal or credit card. Or register via mail, sending this completed registration form along with your check to *Expanding Your Horizons*, P.O. Box 4254 Tumwater, WA 98501.

Register as soon as possible; student and parent workshops fill up on a first come, first serve basis. The deadline to register is February 24. Confirmation will be made by e-mail only.

Additional conference materials

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

Special Accommodation

To request special accommodations call Katya at 360-596-5229

Photos will be taken during the conference. Please contact Katya at katya@starjumper.net if you have any concerns.

Student Registration Form

- Check box if scholarship is requested
- Check box if you are a returning EYH participant

Name: _____

Phone: _____

Address: _____

City: _____ Zip Code: _____

School: _____ Grade: _____

Indicate your first nine choices for workshops by putting the workshop letter and number in the blanks provided.

Column A #1 _____ #2 _____ #3 _____

Column B #1 _____ #2 _____ #3 _____

Column C #1 _____ #2 _____ #3 _____

Parent's E-mail: _____

(for registration confirmation)

Parent Workshop Registration Form

- Check box to request a scholarship
- Check here if special assistance is needed

Name: _____

E-mail: _____

We need your help. Let us know if you are interested in joining EYH to help plan future conferences by printing your name and contact information here:

Directions to Main Campus

From I-5

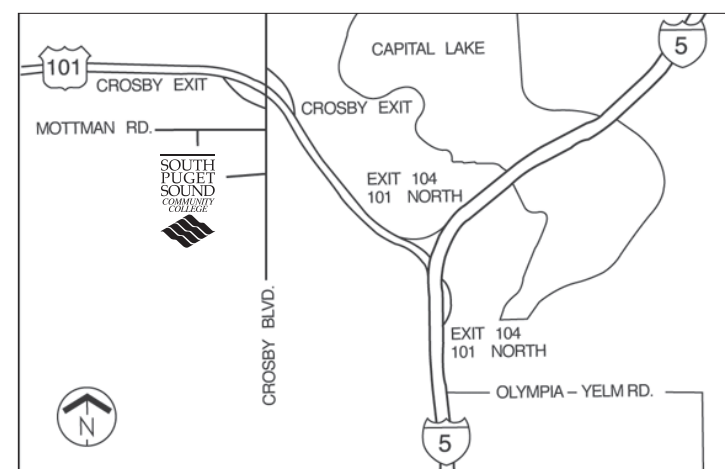
- North or South
- Take Exit 104
- Take first exit on RIGHT - Cooper Point Rd. Crosby Blvd.
- From exit ramp turn LEFT
- At second light, turn RIGHT onto Mottman Rd.

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 Gym Building (Bldg. 31).

Please pick up your student at 1:40 p.m. in the Gym.



South Puget Sound Community College

2011 Mottman Rd. SW,
Olympia, WA 98512

Campus map: www.spscc.ctc.edu/map-and-directions

Day of event contact number: (360) 550-8511

Register online at www.starjumper.net

Organizing Committee:

Leatta Dahlhoff
Nancy Deakins
Mary DeJesus
Kelly Green

Sharon Guile
Theresa Kimball
Victoria Lewis
Nancy McKinney

Katya Miltimore, Chair
Reesa Nelson
Kylie Phillips
Sierra Pierson

Samantha Soto
Cindy Uhrich



motivating young women in science + mathematics

Saturday, March 2, 2013

AT SOUTH PUGET SOUND COMMUNITY COLLEGE

MATH, SCIENCE AND TECHNOLOGY CONFERENCE FOR 6TH, 7TH AND 8TH GRADE GIRLS

CONFERENCE GOALS

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



Mainstage Event: Design Your Future

Three short presentations from Saint Martin's University:

- Zella Kahn-Jetter, Ph.D., P.E. Dean of Engineering, will talk about the "good stuff" engineers design that make the world a better place
- Radana Dvorak PhD, Associate Dean of Extended Learning, will talk about computing and graphic design gaming
- Christy Castanares, BSCE '13 and Mieke Grant, BSCE '13, will present their senior capstone design project

STUDENT WORKSHOP CHOICES

COLUMN A

A-1 Robots Can Line Dance

Become a creator of technology not just a user. Learn how to use simple computer programming to make domobots synchronize their movements into a wave or dance routine.

Malinda J. Lamm, Science/Robotics Teacher, Marshall Middle School

Candyce H. Burroughs, Science/Robotics Teacher, Washington Middle School

A-2 Welding is HOT!

How do those pieces of steel join together? Find out how fire and steel form structures. Learn the science of welding and discover your artistic side.

Students from the SPSCC Welding Program

A-3 A Day in the Life of a Veterinarian – Scruffy the Dog

Gown up and scrub in for surgery! Learn to draw blood, review X-rays and diagnose real patients. Please join Dr. Meghan Hook and Dr. Kelly Murphy as they take you on a whirlwind experience through the life of a Veterinarian.

Dr. Meghan Hook, Steamboat Animal Hospital

A-4 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.

Nanette Graham, P.E., Civil Engineer, Department of Corrections

Barbara De Ste. Croix, P.E., Development Services & Access Manager,

Washington State Department of Transportation

A-5 Air Experimenté

Got clean air? Come learn and experiment how to keep our air clean and reduce pollution.

Stephanie Sears, Air Quality Specialist

Odelle Hadley, Senior Air Monitoring Specialist

Micheal Nicolas, Engineer I, Olympic Region Clean Air Agency

A-6 Micro-Organisms: Our Smallest Workers

Come with us on a fun virtual field trip of LOTT's wastewater treatment plant. You'll learn from women working at the treatment plant how wastewater gets cleaned up. Then put on your lab coat and gloves for a hands-on microscope lab to see some of the cool micro-organisms up close!

Amber Smith, Environmental Educator

Michelle Barnett, Engineering Tech/Construction Manager

Laurie Pierce, Operations & Facilities Director

Meghan Feuk, Lab Technician

Brittany Skinner, Operator

All with LOTT Clean Water Alliance

A-7 A Day in the Life of a Veterinarian – Wildlife and Companion Animals

Gown up and scrub in for surgery! Learn to draw blood, review X-rays and diagnose real patients. Please join Dr. Kim Martin as she takes you on a whirlwind experience through the life of a Veterinarian.

Dr. Kim Martin, Veterinarian, Hawks Prairie Veterinary Hospital

A-8 Sound Design For Movies, Animations, or Video Games

Learn how recording dialogue and sound effects is done in the movie industry. Whether you're interested in music, acting, dancing, or just want to make movies then this is the workshop for you.

Zenaida Vergara, IT Audio Technician and Adjunct Faculty at The Evergreen State College

COLUMN B

B-1 Think Your Drink

What you drink can make you fat or thin, healthy or unhealthy. In this session you will be guided by a registered dietician to figure out what is in all the many beverages we drink. You will use scientific processes and information to analyze what is true and untrue about drinks....and do some tasting along the way!

Dixie Havlak, Registered Dietician, Lifetime Nutrition

Barbara Johnson, Retired Cook & Food Services Manager

B-2 Reach for the Canopy – Trees

What recycles trees? Learn how to identify three important groups of insects that enable wood to decay in forests.

Karen Ripley, Forest Health Program Manager,

Washington State Department of Natural Resources

B-3 Get Out of My Hair – Toxins in Personal Care

Let's talk about personal care products! Everyone uses items such as shampoo, lotion, nail polish, and perfume but what's in them? You will make an all-natural lip balm to take home to remind you that you can keep looking and smelling good without toxic products!

Jennifer Johnson, Environmental Educator,

Thurston County Public Health and Social Services

B-4 Do You Hear What I Hear?

Discover the hidden complexities of communication. Experience for yourself a hearing disorder, and learn how much we rely on what our ears funnel into our heads.

Barbara Harrington, Audiologist, Group Health Cooperative

B-5 Physical Therapy: Moving Forward One Step at a Time!

Join us for an inside look at one of the most rewarding professions in health care! Learn from a Physical Therapist what it takes for people of all ages to master the skill of movement and function after birth, injury, or illness.

Jenni R Cowser, Physical Therapist, Group Health Cooperative

B-6 Spark the Heart!

Can you revive a dead heart? Use CPR and the latest emergency medical tools to treat a cardiac arrest. See a demonstration of an Automatic External Defibrillator (AED).

Cindy Taylor and Cory Spotts, Paramedics/Firefighters - Lacey Fire Department

B-7 Design Your Dream House

Learn the magic of computer design! Re-design, re-arrange and re-do your house with a touch of the mouse!

Tonya Vaughan, Facilities Planner 2 -

Washington State Department of Social and Health Services

B-8 Solve the Mystery Disease

Did you see the movie, Contagion? Ever wonder how epidemiologists do their work to identify causes of disease? Come learn how to use your observation skills with a little math to identify what is causing the mystery outbreak.

Cathy Wasserman, PhD, Epidemiologist - Washington State Department of Health

COLUMN C

C-1 Quakin', Shakin', and Bakin' in Washington

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

Beth Norman, Geologist, Pierce Community College

C-2 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.

Sharon Love, P.E., Environmental Program Manager

Lindsey Handel, P.E., Urban Area Engineer

Yamilée Volcy, Area Engineer

Katie Hulbert, CDFM, Financial Specialist

All with the Federal Highway Administration

C-3 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.

Megan Hall, P.E., Local Programs, Research, and Technology Transfer Engineer

Debbie Lehmann, P.E., Bridge Engineer

Tonya Price, Financial Specialist

Liana Liu, P.E., PTOE, Area Engineer

All with the Federal Highway Administration

C-4 Carbon Footprint

How much of your personal greenhouse gas emissions are due to where you live? How much are due to what you eat, or what you buy? Measure your own carbon footprint, and find out how to make it smaller.

Donna Albert, P.E., Energy Engineer & LEED Accredited Professional,

Washington State Dept. of Enterprise Services

C-5 Show Me the Money

Spend a fun and interactive workshop learning how to manage your money.

Karen Child and Suzanne Klenk, Community Relations Coordinators and VAULT Instructors, Washington State Employees Credit Union

C-6 "Where in the World...?"

Do they serve chips at a survey party? What's a chainman and how does that work up to a Party Chief? Join in an outdoor treasure hunt where you can check out the cool equipment used by professional land surveyors.

Kate Schalk, Land Surveyor, Department of Natural Resources

Julie Csisek, PLS – Renton Technical College

C-7 Digging in the Mud: Finding the Past in Archaeology

Learn how archaeologists find ancient baskets and wooden tools in wet archeology sites, and then use microscopes to find out what plants they are made from. This workshop combines science and math with digging in the mud! You will use experimental archaeology to weave baskets like the ancient ones found in Mud Bay.

Kathleen Hawes, Anthropology Lab Director - South Puget Sound Community College

C-8 Who Dunit?

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

Courtney Paduch and Sara Trejo, Forensic Scientists -

Washington State Patrol Crime Laboratory



PARENT WORKSHOP: ADVICE TO HELP IGNITE YOUR DAUGHTER'S FUTURE

Our 2013 conference offers a workshop that gives practical advice for parents as they guide their daughters on the journey from middle school to high school to college & career. These are critical and exciting times so we highly encourage your participation in the parent workshop!

Please register early – this workshop fills to capacity quickly!

The Agenda:

Internet safety

Learn what you can do to keep your teens safe online in the ever-changing internet environment.

Practice Safe Text

Addressing current issues and offering support for parents from a mental health counselor.

Teens and Sleep

With this presentation we will learn what normal sleep looks like for healthy adults and how it differs for our children with a special focus on the sleep needs/concerns for pre-teens and teens.

Be sure to check our website, www.starjumper.net for updates.

For General Information:

Phone: Sharon Guile 943-1527

Web: www.starjumper.net. Watch for updates!

E-mail: info@starjumper.net

Find us on Facebook: [Expanding Your Horizons Thurston County](https://www.facebook.com/ThurstonEYH)
www.facebook.com/ThurstonEYH

Parent Workshop Schedule

8:30 – 8:45	Check-in (Gym, Bldg. 31)
8:45 – 8:55	Welcome & Inspiration (Gym, Bldg. 31)
9:05 – 9:55	Internet Safety
10:05 – 10:55	Practice Safe Text
11:05 – 11:35	Break & light snack (Gym, Bldg. 31)
11:45 – 12:35	Teens and Sleep
12:45 – 1:30	Main Stage Event (Gym, Bldg. 31) Design Your Future (Saint Martin's University)
1:30 – 1:40	Wrap up and Prizes
1:40	Please pick up your student (Gym, Bldg. 31)

Student Workshop Schedule

8:30 – 8:45	Check-in (Gym, Bldg. 31)
8:45 – 8:55	Welcome & Inspiration (Gym, Bldg. 31)
9:05 – 9:55	Workshop I (Various)
10:05 – 10:55	Workshop II (Various)
11:05 – 11:35	Break & Light Snack (Gym, Bldg. 31)
11:45 – 12:35	Workshop III (Various)
12:45 – 1:30	Main Stage Event (Gym, Bldg. 31) Design Your Future (Saint Martin's University)
1:30 – 1:40	Wrap up and Prizes (Gym, Bldg. 31)
1:40	Please pick up your student (Gym, Bldg. 31)