



AAUW Salem Branch

Saturday, January 10, 2009

Cost: \$15 (Includes Lunch)

Register Early– Only a limited number of students can be accepted and often the conference is full up to a month before the conference date. Popular workshops fill up quickly, so early registration will help you get your top choices. Workshops are subject to change and if all your choices are full, we will place you in other workshops. We think they are all terrific and you may discover some great careers you had not considered before. Pre-registration is required; **on-site registrations will not be accepted.**

Schedule for the Day — *Begin and end at Smith Auditorium Lobby, Willamette University, 900 State St. in Salem.*

8:20-8:45	Pick up schedules at Smith Auditorium	11:50-1:00	Lunch and assembly
8:45-9:00	Welcome	1:00-1:15	Parents pick up students at Smith Auditorium, WU
9:00-9:20	Parent Session: Communication and College		
9:10-11:50	Workshops A, B, C (students only)		<u>NO AFTERNOON SESSIONS THIS YEAR!</u>

Student Responsibility- If you attend this conference, you must be mature enough to follow instructions and directions provided by signs and guides on campus. Also, you must attend all the events and lunch scheduled for you, in the order they are scheduled. You will be moving between buildings on the Willamette University campus, so dress for the weather, and bring an umbrella or rain coat/jacket. We will provide lunch.

Financial Assistance– Partial scholarships are available for \$10, based on financial need. Please see the registration form for more information.

Inclement Weather– In the case of inclement weather, please listen to your local AM radio station for conference status. *We are unable to give refunds if the conference is cancelled.*

Career Workshop Sessions

- Mean Green Solar Machine**–Our planet needs alternatives to oil-based energy sources; discover “green” (environmentally friendly) chemistry by building solar cells.
- Future Life Savers**–Experience the life of a paramedic/ firefighter as you learn about the job and try out their equipment for search/rescue and monitoring vital signs.
- Doctor In the House**–Doctors are decision-makers that help us through life. See if you have what it takes and why women make great doctors.
- Doggone Animal Health**–Do dogs really smile? A veterinarian will lead the exploration of the inner workings of dogs, cats and small mammal friends.
- Fabulous Fish**–Learn about the anatomy of Rainbow Trout; see how their anatomy is similar to humans.
- Lights, Camera, You’re On**–Be involved in producing a video and learn about the technical skills needed in the filming industry.
- Crime Scene Investigation**–Catch a criminal using forensic science with special attention to fingerprints. Come and experience how to make the invisible visible.
- Chocolate Asphalt**–Find out how civil engineers decide what materials work best for road paving projects– with edible results!
- Fit for You**–Learn how a Fitness Professional performs training heart rate calculations, body compositions and custom training programs to keep you fit using disc, physio balls and bands.
- Twist it, Turn it, Bend it**–Explore engineering properties of materials like PlayDoh and Popsicle sticks. Learn how civil engineers evaluate materials for transportation projects.
- Math Class of the Future**–Use new technology that will show awesome graphs and math all in the palm of

- your hand or on a computer; meet the mother-daughter duo behind ClassPad 101. Math is fun; so is ClassPad!
12. **Willamette Water World**-What can you learn from the microscopic critters in the river? Come to use the microscopes and see for yourself!
 13. **You Be the Judge**-Story problems can be found in a courtroom. With a law degree and a love for math, join a judge as she oversees a trial. Who is at fault? Who wins? What is the damage award?
 14. **You Be the Banker** -The money game: saving and lending in the real world; what it takes to become a banker.
 15. **Unlock the Artifacts' Secrets**-Figure out how people lived in the past by investigating artifacts. Handle different artifacts and decide how they were used or what they were.
 16. **See the Light**- Work with a professional photographer and learn the art and science of light. How does a camera see the world? How will the camera see you?
 17. **Design or Decorate...That's the Question**-Interior design is much more than furniture, paint and window coverings. We will explore how space planning, safety codes, and client input affect the built environment.
 18. **Hands on Physical Therapy** -Witness the therapy equipment used in PT and sports medicine after injuries. Participate in formulating a therapy session.
 19. **Babies on the Way**-Midwives have been assisting women with pregnancy and childbirth for centuries. This workshop gives you insight to many facets of their rewarding role in healthcare.
 20. **Let Yourself Fly**-Examine first hand the tools for piloting an airplane; what is it like sitting in the cockpit? Discover the pathway for becoming a pilot.
 21. **So You Want to be a Naturalist Park Ranger?**-Biologist, geologist, botanist, birder, tracker, writer, photographer, graphic designer, teacher, story-teller, law-enforcement officer, wilderness instructor-try some of these skills in this workshop!
 22. **Grasshoppers & Lollipops: How do you see the world?**-Come and attempt to see the world through the eyes of different cultures using the tools of Cultural Anthropology.
 23. **Animation Creation**-Create animated critters to use in games and stories. You can *program a computer* with fun and easy programming language called Scratch.
 24. **The Curious Curator**-Learn the art and science of museum work as you decipher a handwritten letter, investigate a historic photograph, and explore other behind-the-scenes activities that make a great curator.
 25. **Leaping Laboratorians**-If you love a mystery, come explore the fascinating world of Clinical Laboratory Science. Be a detective using lab gizmos, a little science and math to solve mysteries of the world's smallest villains.
 26. **Step up to Nutrition and Health**-“You are what you eat”! Foods can help us win the game against progression of diseases. Come and see how the dietitian helps in food choices that impact our health.
 27. **Calculating Your Options in Nursing**-Have you ever wondered what nurses do? Come find some of the many opportunities a career in nursing has to offer and have fun with some hands-on nursing calculations.
 28. **Prescription for Success**-Make lip balm using the hospital pharmacist's process of compounding and try processing prescriptions (“dispensing” candy).

Special Thanks

Many thanks to the businesses, governmental agencies and educational institutions represented here, especially Willamette University, whose participation is vital to the success of this career exploration program and YWCA for donating resources.

Presenters of the workshops

1. **The Mean Green Solar Machine:** Karen McFarlane Holman, Chemistry Professor, Willamette University
2. **Future Life Savers:** Janet Campbell, Firefighter/Paramedic, City of Salem
3. **Doctor in the House:** Sheila Sund, M.D., Medical Director, Willamette Valley Hospice
4. **Doggone Animal Health:** Kathi Helwig, DVM, Veterinarian
5. **Fabulous Fish:** Nadine Hurtado, Microbiologist, Oregon State University
6. **Lights, Camera, You're On:** Soha Badici, Television Production Specialist, CCTV-Salem
7. **Crime Scene Investigation:** Kathleen D. Saviers, Forensic Specialist, Marion County Sheriff's Department
8. **Chocolate Asphalt:** LeAnna Phillips, Civil Engineer
9. **Fit for You:** Petrece Johnson, Fitness Coach, Courthouse Athletic Club
10. **Twist it, Turn it, Bend it:** Liz Hunt, Darla Stoneman, Luci Moore, Civil Engineers, ODOT
11. **Math Class of the Future:** Diane Whitfield, Casio MRD Center, Portland, OR
Karla Whitfield, Harvey Mudd College, Claremont, CA
12. **Willamette Waterworld:** Jennifer Butler, Biologist and Lab Educator, Willamette University

13. **You be the Judge:** Hon. Mary M. James, Circuit Court Judge, Marion County Courthouse
14. **You be the Banker:** Therese Misner, KeyBank Branch Manager
15. **Unlock the Artifacts' Secrets:** Fran Philipek, Archeologist, Salem District Bureau of Land Management
16. **See the Light:** Cherie Renae, Photographer, Cherie Renae Studios
17. **Design or Decorate:** Karen McMahon, Interior Designer, Carlson Veit Architects
18. **Hands on Physical Therapy:** Julie Tucker, Physical Therapist, Salem Hospital
19. **Babies on the Way:** Mindie Metka, Certified Nurse Midwife
20. **Let Yourself Fly:** Gwen Graham, Commercial Pilot and Flight School Owner, Graham Aviation Services, LLC
21. **You Want to be a Naturalist Park Ranger?:** Dorothy M. Brown-Kwaiser, Interpretive Park Ranger, Silver Falls State Park
22. **Grasshoppers & Lollipops: How do you see the world?:** Shanel Parette, Education Coordinator, Mission Mill Museum
23. **Animation Creation:** Jenny Orr, Professor of Business, Willamette University
24. **The Curious Curator:** Sara Heil Swanborn, Museum Director, Bush House Museum
25. **Leaping Laboratorians:** Judy Chang, MT (ASCP), Medical Laboratory Technologist, Salem Health Regional Laboratory
26. **Step up to Nutrition & Health:** Laura Zollner, Registered Dietetic Technician; Cindy Kitchen, Dietetic Intern, Salem Hospital, Nutrition Services Department
27. **Calculating Your Options in Nursing:** Lani Kelley, Registered Nurse, Salem Hospital Health Educator
28. **Prescription for Success:** Nancy Pifer, Pharm D, Pharmacist, Salem Hospital

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EYH Registration Form

Also available at www.aauw.salemor.org
Pre-registration is required! Postmark deadline is December 15, 2008.
Mail to: Salem AAUW/EYH, PO Box 2144, Salem OR 97308

- Complete all sections on this registration form with a **pen** and **print clearly**.
- Student and parent/guardian dated **signatures are required**.
- Mail this form to the address above. Include a **check payable to Salem AAUW/EYH for \$15**.
- Confirmation of your registration receipt will be mailed Dec. 30, 2008.
- Partial scholarships of \$10 per person available based on financial need, Call Marcia, 503/581-8384.
- Donations to the scholarship fund are welcome!
- Any special needs for this student _____.

Student Name _____ Phone Number _____

Mailing Address _____ City _____ ZIP _____

School _____ Grade (circle one): 6 7 8 I want a vegetarian lunch ___Yes ___No

Sessions Selections: From the list of morning sessions, write in the numbers of the sessions of your first nine choices, in order of preference. You will attend three of them.

1st 2nd 3rd 4th 5th 6th 7th 8th 9th

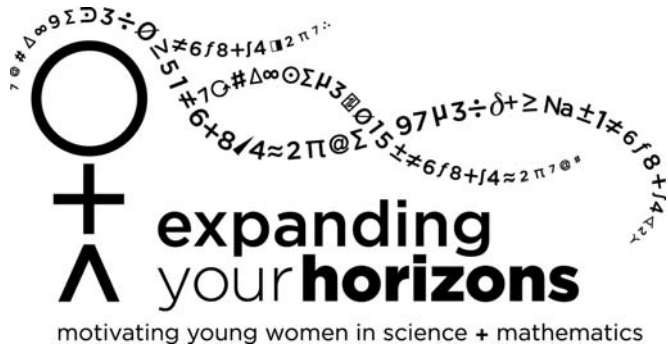
Student Read and Sign: *I have read and understand the Student Responsibility section on page one. I know the workshops are assigned on a first come, first served basis, and the classes I've requested might be full. I agree to go to the workshops in order they are assigned when I attend EYH.*

Student Signature _____ Date _____

Parent/Guardian: *I accept that a photograph may be taken of me or my child for use on a website or in EYH publications. I authorize appropriate personnel to secure emergency services in the event of accident or illness. I will notify an EYH adult supervisor if my child leaves the conference early.*

Parent/Guardian (signature) _____ Parent Contact Phone#: _____

Parent/Guardian (please print name) _____



Join Us On January 10 for Expanding Your Horizons!

Expanding Your Horizons™ (EYH) is a conference for young women in grades 6, 7, and 8 to learn about career opportunities in math and science. Science and math careers are fun, exciting, and rewarding, and so is EYH! Conference participants conduct lab experiments, examine microscopic creatures, analyze the stock market and solve mysteries using evidence. EYH celebrates its 22nd year in the Salem-Keizer area. Thousands of girls have participated. Each girl attends three hands-on workshops led by professional female role models who use math and science in their jobs on a daily basis. Conference participants are assisted on the Willamette University campus by members of the High School Girls Planning Committee and the EYH/AAUW Committee.

www.expandingyourhorizons.org



Salem AAUW/EYH
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AAUW promotes equity for women and girls through advocacy, education and research.