

FREQUENTLY ASKED QUESTIONS

Who is AAUW?

The American Association of University Women advances equity for women and girls through advocacy, education, and research. AAUW is partnering with Praxair, UB's School of Engineering & Applied Sciences, WTS, Inc., and many others in Western New York to provide this opportunity for our community.

Who is invited?

Girls in grades 6 through 9 are invited. Students may already have an interest in science, math, or technology; or, this may be a great way to open up new possibilities for a student. Students should be interested in learning & ready to have fun for the day. Adults are also invited. There are also specially planned activities for parents, teachers, counselors, youth leaders, and other interested adults.

Important Safety Note: Attendees must not wander around campus; attendees are restricted solely to buildings where assigned *Tech Savvy* activities are in progress and must follow the directions of all volunteer staff and workshop leaders.

I'm a student. Why should I attend?

Math and science can be fun and interesting! This is a great chance to meet professionals-- many fabulous women-- who can share information on their careers. This year's conference is all about problem solving—*Tech Savvy* girls really have a clue!

Also, you'll meet other young women who join you on the road to being *Tech Savvy*! At the end of the day, you'll have knowledge as well as special gifts and prizes that will help you stay on the *Tech Savvy* road.

I'm a student. How many workshops will I take?

Will I attend my favorite workshop?

You will participate in two (2) workshops plus the *College Corner* activities. Write the number of your top **five (5)** choices. If your choices are full, we will place you in another exciting workshop. (We think all workshops may help you discover careers that you may not have considered before!) Be sure to indicate all choices and send your registration in by the due date. Last year, all students who gave five choices and who registered by the due date received workshops that they had selected.

Please note that students must attend workshops at the times assigned-- no switching. In order to be fair to all, it is not possible to accommodate entire groups in the same workshop at the same time. Requests for a specific workshop at the same time as a specific other attendee will not be honored. Remember, workshops are a great way to meet new friends!

By completing the *College Corner*, you'll earn a raffle ticket for a free computer. Most importantly, you will meet college representatives and learn what college is really like!

I'm a parent, grandparent, or guardian. Why should I attend?

We all know that women definitely can succeed in technology-related careers. However, society often sends messages of "pink careers," discouraging girls from math and science.

The adult workshops will offer the chance to discuss these issues and provide practical information and resources on helping your child to be *Tech Savvy*! There are also fabulous prizes for adults. Please note that parents do not attend student workshops. Student workshops are designed to provide a learning opportunity for small groups. This year, we have added special fun workshops for parents so that they can have more of the *Tech Savvy* experience! 11AM sessions are filled on first-reserved basis.

I'm a teacher, counselor, youth leader, or other interested adult.

Why should I attend?

You already know that it takes a village... Join us for the day. Besides the opportunity to discuss the issue with other professionals and parents, you'll leave with valuable research, training, and resources to help you promote equitable education for all students.

There are also fabulous prizes for adults.

I don't have transportation to UB's North Campus.

Shuttle service is provided by the University at Buffalo from the South Campus to the North Campus. (Also, parking is provided at both campuses.) Shuttles will leave the South Campus at 8:15 am and will return from the North Campus at approximately 4:00 PM. For planning purposes, please indicate on your registration if you plan to take the shuttle. In order to discourage no-shows, the \$1 fee guarantees your shuttle registration and will be returned when you arrive at the event via the shuttle.

How do I register or get more information?

There are two ways to provide registration information. You may complete the registration form **on-line** (<http://aauw-nys.org/Buffalo/ts5-form.htm>). Alternately, you may register by completing form in this brochure, detach, and mail.

Either way, you **must mail** in your online confirmation or the hand-completed form along with the \$5 fee to the address listed. Even if you register online, if you do not send in the form and payment via mail promptly, your registration will be cancelled.

Online registration is preferred in order to increase accuracy of information, and those who register online will be eligible for a special prize drawing.

The conference is limited to 500 participants; so please register early. For information before the week of the conference, please call AAUW and leave a voice mail at 559-3037. Calls will be returned as soon as possible. Please note that this is a voice mail system. We cannot return calls on the day before and day of the conference..

What is the registration fee?

The registration fee is \$5. A limited number of scholarships are available in cases of financial need. If financial need exists, please send a letter indicating the need for a scholarship along with your registration form.

When is the registration deadline?

Registrations must be received for processing before the conference. Last year, the number of registrations exceeded the number of students accepted, so register **early**. Individuals must register by **February 25**.

Groups of five or more must register by **February 19**.

DIRECTIONS

If you are proceeding directly to the SUNY Buffalo NORTH Campus

If you are traveling on Route 33 (the Kensington Expressway), take Route 33 to I-90 East and proceed to I-290 West. Follow directions below for I-290.**

If you are traveling on I-190 South, follow I-190S to I-90 East and proceed to I-290 West. Follow directions below for I-290.**

If you are traveling on I-190 North, follow I-190N to I-290 East. Follow directions below for I-290.**

****If you are traveling on the I-290** (Youngman Expressway), take exit 5B (Millersport Highway North). When you exit onto Millersport Highway, proceed through one traffic light, pass the Maple Road exit and continue to the next exit, Flint Road, to UB's North Campus. Once on campus, follow Flint to Augspurger; take left onto Augspurger. Go to Hadley; take right onto Hadley. Go to White Road; take right onto White Road. From White Road, take a right into the Furnas Parking Lot. (The Furnas Lot is just before White Road ends... If you reach Lee Road, you have just passed the Furnas Lot.) Proceed to the far side of the lot to park. The Student Union is just across the street from the parking lot.

If you are traveling on the I-990, take Exit 1 (UB Exit). Once on campus, take a right onto the John James Audubon Parkway to Flint Road. Take a left onto Flint Road. Follow Flint to Augspurger; take left onto Augspurger. Go to Hadley; take right onto Hadley. Go to White Road; take right onto White Road. From White Road, take a right into the Furnas Parking Lot. (The Furnas Lot is just before White Road ends... If you reach Lee Road, you have just passed the Furnas Lot.) Proceed to the far side of the lot to park. The Student Union is just across the street from the parking lot.

If arriving at the SUNY Buffalo SOUTH Campus and taking the Shuttle to the North Campus

UB's South Campus is located at the corner of Main Street (Route 5) and Bailey Avenue (Route 62). Please proceed to the Main/Bailey Lot. (Parking spaces are available at the Main/Bailey lot.) In order to ride the shuttle, please proceed to the center of the Main/Bailey Lot and convene in the shuttle shelter.

Please note that the shuttle will leave the Main/Bailey Lot at 8:15 am. You must be present at the shuttle shelter by 8:00 am in order to be transported to the North Campus.

Note: For planning purposes, you must indicate on your registration form (by checking the box where indicated) whether or not you plan to take the shuttle from the South Campus. Please include \$1 for the shuttle fee. If no indication is made, we will assume that you will not take the shuttle and that you will arrive at the North Campus via your own transportation.

NFTA Service

The NFTA MetroRail provides service to the UB South Campus. There is an NFTA Metro Bus stop near the Main/Bailey Lot.

Parking on Campus

We ask all attendees parking on the North Campus to park in Furnas Lot, near the Student Union. Disability parking is available at the Furnas Lot.

Please note that UB and all Tech Savvy sponsors are not liable for your car or property or person while parked in lots on campus and while attending the events on campus. By taking the shuttle, you assume responsibility for your own safety.

Note: This brochure represents the program schedule, activities, and speakers as of the time of printing. The conference details may change without notice.

TS⁵
TECH SAVVY!
Tapping into
Our Technological Future



Girls Exploring Science, Technology,
Engineering, and Math

Featuring fun, exciting, hands-on workshops to inspire
success and career exploration for
6th to 9th grade girls in Western New York.



SATURDAY, MARCH 13, 2010
8:30 AM TO 4:00 PM
SUNY BUFFALO
NORTH CAMPUS
STUDENT UNION

www.aauw.buffalo.edu
e-mail: AAUWTS5@cs.com
telephone: 716-559-3037

Individual registration deadline is Feb. 25.
Groups must register by Feb. 19.

New: Paper and Online Registration Methods available. For online form, see
<http://aauw-nys.org/Bufalo/ts5-form.htm>

SPONSORSHIP & SUPPORT



This conference is presented by
AAUW Buffalo Branch, Inc.*



The Buffalo Branch is grateful for significant funding from Praxair, Inc.
through the Praxair Foundation.



The Buffalo Branch proudly acknowledges our host and co-sponsor, the
School of Engineering and Applied Sciences, University at Buffalo

*Funding for this conference was provided by the Educational Projects & Charitable Accounts,
AAUW Buffalo Branch, Inc. from proceeds from the Branch's Annual Booksale.

Significant financial support for Tech Savvy was provided by our major sponsor for five years...
the Praxair Foundation.

The Buffalo Branch is grateful for the support of the School of Engineering and Applied Sciences,
State University of New York at Buffalo and their fifth annual gift towards the welcome reception
for our keynote speaker and workshop presenters.

**You may register online--
or you may complete
this form via hand.**

**We strongly encourage
online registration for
groups!**

**Online registrants will
be entered into a special
prize drawing!**



There are 2 ways to provide information – online or via the form in this brochure.

1. If submitting online, use this brochure to choose workshops.
2. Fill out form online at <http://aauw-nys.org/Bufalo/ts5-form.htm>
3. **Print** form before hitting the *Submit* button.
4. Mail in the printed page with parent/guardian signature **and** payment immediately.

Everyone will receive a confirmation/ reminder card the week before the program.

American Association of University Women
AAUW Buffalo Branch
P.O. Box 311
Buffalo, NY 14201-0311

**One Tech Savvy! student
will win a new computer!**



STUDENT WORKSHOPS (25 choices!)

Workshop 1 Interactive Fiction, and Games

The production of interactive stories and games for art, entertainment, and education is a complex process requiring math, computer science, art, design, and analytical skills. In this workshop students will "play" an interactive story book and be introduced to the process of animating and scripting interactive characters.

Josephine Anstey, Associate Professor, Yvonne Fulmore, Camille Moreno, Graduate Students, Department of Media Study, SUNY Buffalo

Workshop 2 The Beautiful House of Quality

Continuous improvement isn't just a good idea... It's a good career too... just ask our cereal expert! Learn about ensuring quality in a fun way... Will you make perfume or something else equally beautiful??? Sign up to find out!

Virginia Barb, Continuous Improvement Leader, General Mills

Workshop 3 Candy Land

Chemical engineers process chemicals and make-- and improve-- just about everything around you. In this workshop, learn about what polymers are and how we use them in our everyday lives. We will also learn how to make gum drops, a polymer that you can eat!

Nathaline Barnswell, LTOP Engineer, Praxair Inc.

Workshop 4 The Human Factor & Engineering

A brief discussion of the role of engineers in designing and producing things that we all use. Students will try exercises which show why technology must be designed with people in mind.

Ann Bisantz, Ph.D., Associate Professor of Industrial Engineering, SUNY Buffalo

Workshop 5 Putting the Puzzle Together

Learn about genetics in this fun chromosome mapping exercise!

AnneMarie Block, Ph.D., FACMG, Director, Cytogenetics Lab, Roswell Park Cancer Institute

Workshop 6 Pharmacy Phun

Pharmacists help their patients to better understand and use their medications. Join us as we have some fun. Also, learn that pharmacists are in more places than you may think...

Karen Brim, RPh., Disease State Management/ Utilization Management Pharmacist, Independent Health

Workshop 7 Exploring Careers for You

You're almost grown up. How do you figure out what you want to do in the future? Get some clues and learn about some online resources to help in your search for your perfect career.

Fredericka Cheek, Certified Professional Resume Writer and Credentialed Career Master

Workshop 8 Do You Hear What I Hear?

Learn to identify native WNY frog / toad calls.. and perhaps a few native bird songs—while getting to know three new friends: a frog, a toad, and a newt. You'll also learn about Frogwatch, a citizen science project and how this herpetologist's persistence has brought local conservation work to the Buffalo Zoo.

Penny Danielewicz, Team Leader of the Reptile and Amphibian Department, Buffalo Zoo

Workshop 9 Nursing... The Caring Career

Nursing, a career for today and well into tomorrow... Learn about what's needed in this necessary and exciting profession!

Mary Evanco-Caryk, R.N., BSN, Nursing Recruiter for Undergraduate Admissions, D'Youville College

Workshop 10 Behind the Badge,

Do you have what it takes? A desire to work with people, serve your country, and the ability to be a critical thinker...Learn about the various career opportunities within the Federal Bureau of Investigation (FBI)

Vanita Evans, Special Agent & Director of Community Outreach, Federal Bureau of Investigation

Workshop 11 It's Up in the Air!

How interesting is the air up there? More interesting than you ever know. From ice cream and soft drinks to the space shuttle, atmospheric gases play an amazing role in our everyday lives. Let's see what we can make—right out of thin air!

Ihuaku Ihejirika, Research & Development Associate, Praxair, Inc.

Workshop 12 Robotics

An overview of robotics/mechatronics, virtual reality/haptics, and virtual prototyping.

Coordinated by Venkat N. Krovi, Ph.D., Associate Professor, Department of Mechanical and Aerospace Engineering, SUNY Buffalo

Workshop 13 Severe Weather! Does it happen in Western New York?

We'll discuss what types of severe weather can occur in Western New York. Look at some video and damage photos and discuss what you can do to be prepared for the weather.

Judy Levan, Lead Forecaster, National Weather Service

Workshop 14 Six Sigma Bling

Learn about Six Sigma and quality management by making your own jewelry in this hands-on workshop!

Alexis McKittrick, Ph.D., Program Development Manager, Praxair, Inc.

Workshop 15 Sensing Our Surroundings

How does the brain gather information? Learn about the different sensory systems we use to gather information about the world around us.

Kathryn Medler, Assistant Professor of Biology, SUNY Buffalo

Workshop 16 Smart Teenagers Finish Rich

A lesson in investing your hard-earned dollars.

Michelle Norris, financial industry specialist and AAUW Buffalo Branch Funds for Education Treasurer

Workshop 17 Hot Company!

You are the president and CEO of your own company, faced with tough decisions. Learn about decision making while maintaining integrity in this fast paced, competitive game.

Suzanne Novelli, Investment Advisory Representative, Park Avenue Securities & Marketing Director, Alliance Advisory Group, Inc.

Workshop 18 Planning and Designing Livable Communities

Remember those architects who built houses of straw, sticks, and bricks? Well, architectural engineering and building sciences has come a long way! This workshop is a great chance for you to start building your future.

Samina Raja, Assistant Professor, School of Urban and Regional Planning, SUNY Buffalo

Workshop 19 mmmm... mmmm.... Math!

Math isn't just what you might think. This math class is heavy in technology and computers, so be prepared for a fun, unique experience with two excellent female students in the National Science Foundation-funded URGE to Compute program.

John Ringland, Associate Professor & Director of Undergraduate Studies, Department of Mathematics SUNY Buffalo, Joaquin Carbonara, Ph.D., of Buffalo State College., and students

Workshop 20 Lessons from the Three Little Pigs

Remember those architects who built houses of straw, sticks, and bricks? Well, architectural engineering and building sciences has come a long way! This workshop is a great chance for you to start building your future.

Heather Stapel, Cannon Design

Workshop 21 Crystals Are a Girl's Best Friend!

From snow and ice cream, to gems and minerals, to drugs, teeth and bones, crystals are everywhere around us. Let's explore the different types and shapes of crystals and try to grow some...

Marina Tsianou, Assistant Professor, Department of Chemical and Biological Engineering, University at Buffalo, SUNY

Workshop 22 Planning for Success!

Are you a good leader? Well, you're on your way to being a great project manager! Maybe you'll build a rocket—or something else. Where do you start? In this fun workshop, you'll learn a few keys to planning for success.

Elizabeth Toich, Vice President for Professional Development, Project Management Institute Buffalo Chapter

Workshop 23 The Science and Technology Behind a Healthy Smile.

Learn about dentistry as a science and a profession in a fun and interactive presentation.

Meelin D. ChinKit-Wells, D.D.S., Clinical Assistant Professor of Pediatric & Community Dentistry, SUNY Buffalo School of Dental Medicine

Workshop 24 The Skeleton Within You

You'll have hands-on experience with bones of the human skeleton, learn the names of the bones, and put them together to create a complete skeleton. Although a plastic skeleton will be used during the exercise, the students will be able to hold real human bones.

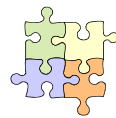
Julie Wieczkowksi, Assistant Professor, Department of Anthropology, Buffalo State College

Workshop 25 Mysterious Medicine

Medicine is said to be a lot of science, a little art... This medical workshop is a lot of mystery! Surgery? Dermatology? Pediatrics? The possibilities are endless, so if medicine is your interest, this workshop is sure to cast the perfect spell!

This mysterious workshop will be led by a wonderful local practitioner....You'll have to sign up to find out who!

THE COLLEGE CORNER EXPERIENCE Do You Know? & MYSTERY ACTIVITIES!



This year's conference is all about problem solving—a skill you'll need along life's way. You will certainly need to solve the first mystery: college. What is college really like? What programs are offered at local colleges and universities?

Students will travel through the *College Corner* and will have time to "visit" colleges and learn about the colleges and their programs. College students and representatives will be available for this activity. This year, after the *College Corner*, students will participate in a trivia test of famous women in science and technology fields and the problems they've solved...
and each student will begin a little mystery of their own!

As you work your way through the *College Corner*, each student will earn a stamp. Gaining all necessary stamps enters you into the raffle for a...**free computer!**

STUDENT CONFERENCE SCHEDULE

- 8:30 - 9:30 Registration
Pickup T-Shirts & Light Breakfast
(Students are asked to wear T-shirts during the day!)
- 9:30 Welcome
- 10:00 - 12:00 Workshops
- 12:00 - 12:55 Lunch & Cyberbullying Networking Activity
- 1:00 Praxair Cryogenics Demonstration
- 1:45 - 2:40 Workshops
- 2:45 - 3:45 Inspirational Address, Door Prizes & Computer Raffle & Turn in Evaluation Forms

INSPIRATIONAL ADDRESS

"CSI: York" by Heather Rozzi, M.D., FAAEM, FACEP



Our confirmed keynote speaker is Dr. Heather Rozzi, who is a Medical Director at York Hospital in York, Pennsylvania. Dr. Rozzi is a graduate of the Pennsylvania State University College of Medicine. She teaches at York Hospital's Department of Emergency Medicine Residency program and is the medical director for the York Hospital's Forensic Examiner Team. Her areas of interest and research include forensic medicine, helping victims of domestic violence, child and elder abuse, and the care of sexual assault victims. She is a Councilor for the Forensic Section of the American College of Emergency Physicians.

ACTIVITIES FOR

PARENTS, TEACHERS, & INTERESTED ADULTS

(Adults do not have to attend in order for students to participate; however, adult session participation is highly encouraged.)

ADULT SESSION SCHEDULE

- 8:30 - 9:30 Registration; pickup tote bags & Light Breakfast
- 9:35 Welcome
- 10:00 Opening Thought with Lilly Ledbetter
- 11:00 Adult Sessions (Choice of 3)
- noon Lunch *Quick Byte* on Cyberbullying
- 12:55 - 1:25 Visit College Corner and Resources.. .
Meet Elizabeth Casciani & Lilly Ledbetter
- 1:30 - 2:30 Profile of Success with Elizabeth Casciani
- 2:30 - 2:45 Resource "Bookstore" Open
- 2:45 - 3:45 Inspirational Address

Adult Session Highlights

Opening Session

This year's fifth anniversary features a very special opening by Lilly Ledbetter. Many know Lilly from her famed Supreme Court case *Ledbetter v Goodyear* and the *Lilly Ledbetter Fair Pay Act*. Lilly has inspired millions—and her story gives a compelling reason for the importance of efforts to empower girls and women.

Profile of Success

How important is problem solving, what are some keys to success, and how do you inspire your child to continue to solve problems? Back by popular demand is Elizabeth Casciani, Vice President North American Operations for Praxair Inc.

Quick Byte & Resources

Lunch & learn during this presentation on cyberbullying by The Ophelia Project, an award-winning group working nationally on relational aggression issues for girls.

We'll also highlight a few of the local resources available to you and your child—and adults will have a chance to visit the College Corner this year!

**Adults will attend one of three morning workshops listed below:
College 101**

Ready. Set. Go. A panel discussion on preparing for college featuring guidance from Canisius College's Director of Admissions, Anne Marie Moscovic

Fun Workshops

Fun isn't just for kids... This year we will offer two or three workshop choices including CandyLand for Adults. Limited to first 20-45 participants.

Helping Your Child to Engineer Her Life

Thoughts to lead the child in your life to success from Drs. Kerry Collins Gross and Terry Miklitsch from UB's School of Engineering.

PAPER REGISTRATION FORM

for Students and Adults

**DETACH AND RETURN THIS PORTION ONLY...
RETAIN THE REST FOR YOUR RECORDS**

Please detach this page and mail to the address below. You may also find this form online. Complete either by hand or online and mail to AAUW with \$5 fee.

NOTE: Parent/Guardian signature is required

If using this form, please print clearly. Include a check or money order for \$5.00 per attendee (each adult and each student) payable to "AAUW Buffalo Branch EF". Mail to: AAUW Tech Savvy Attn.: T Brown

P.O. Box 311
Buffalo, NY 14201-0311

\$5 registration fee includes lite breakfast, lunch, conference materials, tote bag, book, and other gift items. All students will receive the TSS t-shirt.

Registration is limited. Please register before February 25, 2010.

(Groups, please register before February 19, 2010.)

(Please use one form for each student. Adults with the same contact information may register with student or on a separate form.)

Name (attending conference) _____

Student **Part of Group?** (If so, list Group Name): _____

Name (attending conference) _____

Parent[†] Teacher[†] Interested Adult[†]

[†]**ADULTS ONLY:** Please check your **top two** preferences for 11AM Session.

Please leave one box (your third preference) unchecked

College Planning (Finance & Admissions)

Hands-on Activity/ Experiment

"Helping Your Child to Engineer Her Life"

Street/ PO Box _____

City _____, NY Zip _____

E-mail _____

Phone _____

School _____ Grade: _____

Do you plan to arrive at South Campus (Main and Bailey in Buffalo) and take shuttle to the North Campus?

Yes Please include \$1 shuttle fee per rider which will be returned. No

Physically-disabled Accessibility and/or Dietary Needs:

Is/are student and/or adult a vegetarian? Yes No

How did you hear about *Tech Savvy*! ? _____

STUDENT: Did you attend *Tech Savvy*! previously? Yes No

STUDENT: T-SHIRT SIZE (T-shirt sizes are generic adult sizes.)

S M L XL XXL

What career are you considering (if known)? _____

STUDENT WORKSHOP CHOICES

_____ 1st _____ 2nd _____ 3rd _____ 4th _____ 5th

Students attending this conference must be mature enough to follow instructions and directions provided by signs and guides on campus. Students must attend all events and remain on campus from 9:00 a.m. until the conference ends at approximately 4:00 p.m. Note: A photographer may take pictures of conference attendees. These photos may be used on our website, in the news, or in other publications. By registering for this conference, you have given us permission to use your and/or your child's photos.

Please note that you may also receive limited information from AAUW regarding other programs that may be of interest. AAUW may also pass along information to you about similar programs from local colleges/organizations; however, we will not share any of your personal contact information with others. Please check here if you do **not** want to receive this information.

I grant permission for my child to attend the AAUW Tech Savvy Conference at SUNY Buffalo and to receive emergency medical care, if needed, while at the conference. I understand that conference sponsors are not responsible for loss, damage, or injury to person or possessions while attending the conference.

Parent/Guardian Signature

SIGNATURE REQUIRED FOR STUDENT REGISTRATION