

About Us

Founded in 1974, the Expanding Your Horizons Network is a non-profit membership organization of educators, scientists, mathematicians, engineers, parents, community leaders, and government and corporate representatives.

Our Mission is to encourage young women to pursue science, technology, engineering and mathematics (STEM) careers. Through Expanding Your Horizons (EYH) Network programs, we provide STEM role models and hands-on activities for middle and high school girls. Our ultimate goal is to motivate girls to become innovative and creative thinkers ready to meet 21st Century challenges.

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The Network's programs are based on the following assumptions:

1. In order to increase the participation of women in mathematics, science, and engineering careers, there must be an increase in the pool of qualified women.
2. In order for young women to have the option to enter mathematics, science, and engineering careers, they need to choose to take the appropriate mathematics and science courses in high school.
3. Intervention strategies are needed that increase the participation of girls in mathematics by nurturing enjoyment and confidence in mathematics, by connecting the value of mathematics to career opportunities, by providing career role models, and by actively encouraging girls to persevere in mathematics coursework.

Expanding Your Horizons in Science and Mathematics™ conferences nurture girls' interest in science and math and engineering courses, encouraging them to consider careers in science, technology, engineering and math. Currently, over 85 Expanding Your Horizons conferences take place each year in 31 states as well as in Europe and Asia.

Financial support comes from membership dues and donations and grants from corporations, foundations, and government agencies. The Network's corporate sponsors include:



Westland
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The History

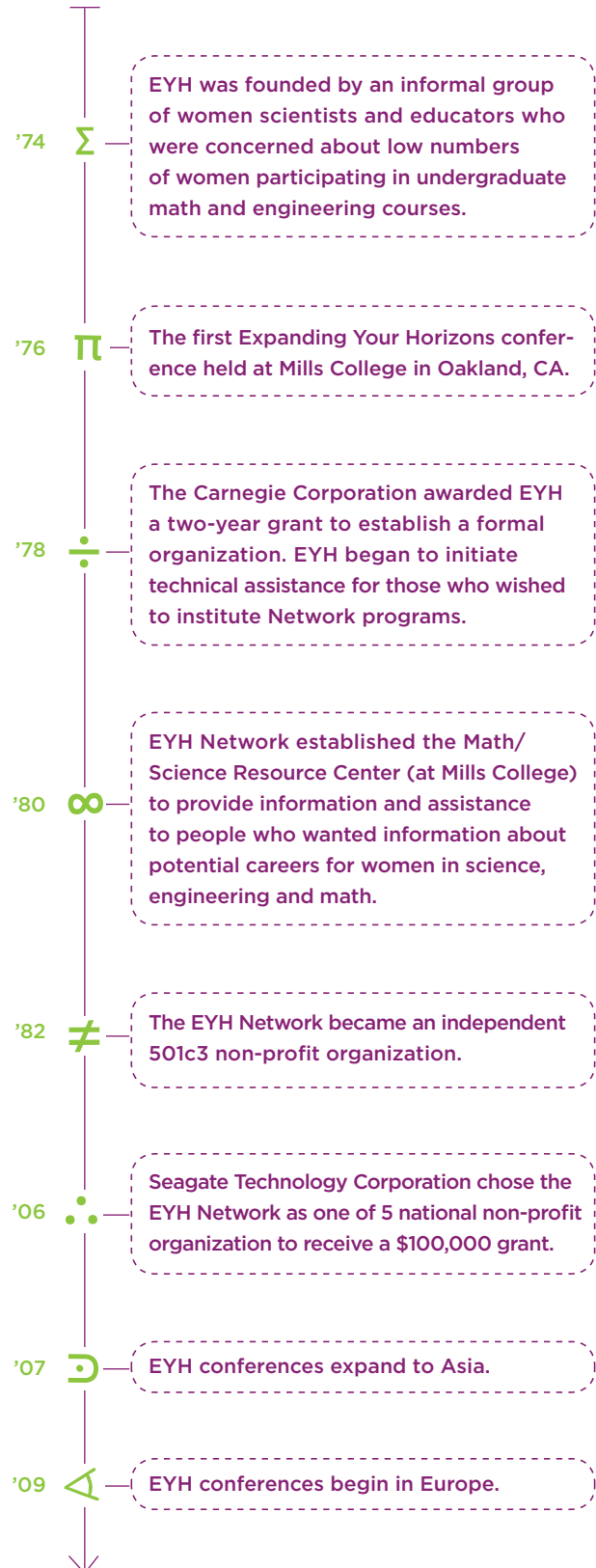
The EYH Network, (formerly the Math/ Science Network) began in 1974 as an informal group of women scientists, mathematicians and educators in the San Francisco Bay Area who were concerned about low female participation in math courses. They began planning coordinated efforts to strengthen individual math and science programs and establish mutual support on a volunteer basis.

When the Network received a two-year grant from the Carnegie Corporation in 1978, it was able to establish a formal organization at Mills College in Oakland, California, where their headquarters is still located today in the Chemistry, Physics and Mathematics Building.

“EYH was a great chance to explore areas I hadn’t previously considered as I thought about careers, especially the specialties and specifics of a general science degree. The real-world scenarios the instructors provided was fantastic and something I couldn’t get in a high school classroom!”

—EYH SUNY BUFFALO PARTICIPANT
BUFFALO, NEW YORK

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What is the Expanding Your Horizons Network? The Expanding Your Horizons Network is a non-profit membership organization of educators, scientists, mathematicians, engineers, parents, community leaders, and government and corporate representatives.

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What does EYH do? Expanding Your Horizons coordinates over 85 hands-on math and science conferences each year. These conferences nurture girls' interest in science and math courses, encouraging them to consider careers in science, technology, engineering and mathematics.

Why does EYH do what we do? The 2000 Congressional Commission on the Advancement of Women and Minorities in Science, Engineering and Technology Development (CAWMSET) stated, "Today's U.S. economy depends more than ever on the talents of skilled, high-tech workers. To sustain America's pre-eminence we must take drastic steps to change the way we develop our workforce. An increasingly large proportion of the workforce consists of women, underrepresented minorities and persons with disabilities- groups not well represented in science, engineering and technology (SET) fields." Furthermore, our whole nation profits when women have the same opportunities as their male counterparts.

continued...

EYH by the Numbers

Since our inception in **1974**, we have served over **775,000** girls, **90%** of these students are in middle school and **8.7%** are in high school.

43% of participants are minority students.

Conference participants engage in challenging hands-on math, science and engineering activities led by over **5,000** women mathematicians, scientists and engineers.

Our conferences are shaped and supported by a committee of **1,200** volunteers from all over the United States and in Europe and Asia.

How do EYH programs help open doors for young women?

EYH conferences help young women explore new career opportunities.

A past conference participant recently stated, *"I fell in love with the speaker who spoke about underwater science and deep sea biology...I went to college to be a marine biologist in part because of her speech."*

Do EYH programs work? Yes! A long-term study on the effects of EYH conferences on middle and high school girls concluded that young women who attended a conference indicated they took more advanced math and science classes in high school, planned to continue on to higher education, and their attitudes towards math and science were rated more positive than those who did not attend.

They also indicated that attending an EYH conference exposed them to many careers they had not previously considered.

Where are EYH conferences held? Currently, over 85 EYH conferences take place each year in 31 states, as well as Thailand, China, Singapore and Malaysia. Conferences are also held in Europe. For a complete listing of EYH conferences, please visit, www.expanding-yourhorizons.org/about/locate.php?state=

Who sponsors EYH conferences? Many conferences are hosted by the American Association of University Women or are hosted by a particular department within a college or university. Departments may include: Mathematics, Physics, Chemistry or Engineering. Conferences are also hosted by women's professional organizations such as the local chapter of the Society of Women Engineers (SWE) or the soroptimists .

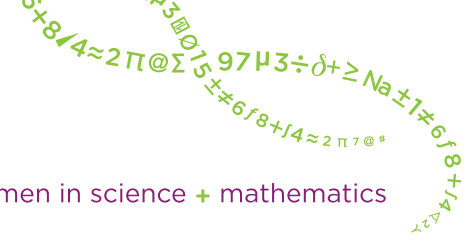
How is EYH funded? The EYH Network is a non-profit, membership-supported organization, and it is only through the generosity of our contributors and sponsors that we are able to do the work that we do at such a low cost to conference attendees. The average cost to put on a conference is \$6,842. The average fee for attendance is \$10.65.

Current Corporate Sponsors Include

- Google Inc.
- Home Depot
- Seagate Technology
- Symantec
- Puget Sound Center for Teaching Learning and Technology
- The National Girls Collaborative Project
- Westland Management Solutions
- HOME campaign/Lawrence Livermore National Laboratory.

Many conferences also depend on in-kind donations for support. In-kind donations may include: printing, paper supplies, free facility use and food donations.





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Margaret Weiland
Owner/Manager Westland
Management Solutions, Inc.

= An EYH Corporate Sponsor

Margaret Weiland, an Expanding Your Horizons sponsor, initially found a passion for science and engineering in high school, where she realized she was especially good at math. Weiland is excited to encourage other young women to pursue careers in Science, Technology, Engineering and Mathematics by supporting EYH as a corporate sponsor.

After graduation, Weiland began work with an environmental firm studying hazardous waste sites. Although this wasn't a field she considered in school, she found it fascinating—the one project used chemistry, field studies, geology and engineering. From there, she went on to work for a large National Environmental engineering firm and became project manager for numerous jobs—which led to the discovery that she also enjoyed the financial side of projects, as she was able to utilize her math skills.

The daughter of an engineer, Margaret was encouraged to follow her interest in math throughout her education by parents and teachers. While working at her father's construction sites in high school, Margaret enjoyed watching the progression of building projects, which eventually led Weiland to pursue a career in civil engineering. Margaret graduated from Colorado State University with a BS in Civil Engineering in 1985, and received her National Professional Engineers license in 1992.

Eventually, Margaret was inspired her to begin her own company, Westland Management Solutions Inc. Weiland created a business to provide project controls to large companies with large government contracts. Westland Management Solutions has now been in business for 10 years and has expanded to have 10 employees.

"I'm proud to be a sponsor of Expanding Your Horizons. I know first hand how important it is to be encouraged to pursue math, science, technology and engineering. Without the mentoring I had as a teen, it's likely I wouldn't be as successful as I am today, or followed the career path I ultimately chose."



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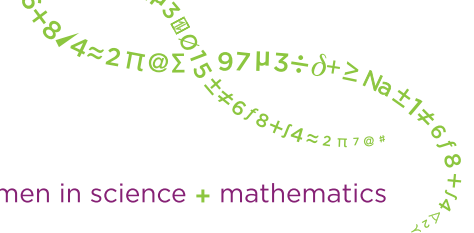
Dr. Elizabeth Wheeler
Chemical Engineer at Lawrence
Livermore National Laboratory

An EYH Alumnae,
= Workshop Leader and
Conference Coordinator

Elizabeth attended her first Expanding Your Horizons (EYH) conference in the 7th grade, shortly after she moved to California from England. She was so fascinated by the various math, science, technology and engineering workshops that she attended a second EYH conference the following year. The fun and skills she amassed during both seminars encouraged her to continue her educational studies with a focus on the sciences. Eventually, Elizabeth earned a B.S. in Chemical Engineering from U.C. Davis, followed by a Masters of Science and a Ph.D. in Chemical Engineering from Stanford University. Her post doctorate work led her to a position at the Lawrence Livermore National Laboratory, where she has worked ever since.



“I led my first Expanding Your Horizons workshops while I was in graduate school at Stanford. I loved giving back and supporting an organization that meant so much to me as a youth. I hope my two young daughters will be able to attend EYH conferences when they’re old enough!”



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Dr. Judith Iriarte-Gross
Professor of Chemistry, Middle Tennessee State University

= **An EYH Mentor and Conference Coordinator**

After receiving her Ph.D. in Inorganic Chemistry in 1990, Judith moved to Arlington, Texas where she knew no one except her lab associates at Southern Methodist University. Excited to meet other educated women in the area, she joined the local chapter of the American Association of University Women (AAUW). It was there she first heard about Expanding Your Horizons (EYH), and immediately became a volunteer!

Tennessee State University (MTSU), the first EYH conference in Tennessee was born. More than a decade later, Dr. Iriarte-Gross is planning MTSU's 13th annual EYH conference.

Helping at three different EYH conferences in one year alone, Judith recalls one of her favorite efforts was presenting a workshop called, "Ooze, Goo and Slime: Polymer Chemistry." Judith was so inspired by the excitement of the girls attending, that she was ultimately motivated to coordinate an entire EYH conference. In 1997, while an Assistant Professor of Chemistry at Middle

"I was inspired to coordinate an EYH conference because of the ongoing need for information, role models and general encouragement for girls who are considering careers in the fields of Science, Technology, Engineering and Math, also known as STEM."

A faculty advisor to the Women in Science and Engineering (WISE) student organization on the MTSU campus, Judith was a key facilitator and named director of the new Women in STEM Center for Tennessee on her campus.

"I was a non-traditional student and a woman in science so I had two strikes against me when I decided to major in chemistry. Working with Expanding Your Horizons is a way that I can give back to those few who supported me in my STEM education."



Contact Information

The Expanding Your Horizons Network

national office is located on the campus of Mills College in Oakland, CA, in the Chemistry, Physics and Mathematics Building. You can also find us online at www.expandingyourhorizons.org

Annual EYH conferences are held in 31 U.S. states and 5 countries worldwide. Our organization is continuously expanding to new states and countries as well. To find a location near you, visit our Conference Locator www.expandingyourhorizons.org/about/locate.php#International:

Our offices are closed on all national holidays. We are open Monday-Friday, 9 AM-5PM Pacific Standard Time. You can contact us the following ways:

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Phone: (510) 430-2222

Fax: (510) 430-2090

Email: info@expandingyourhorizons.org

Snail Mail:

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5000 MacArthur Boulevard
Oakland, CA 94613

"I attended workshops on microbiology, medicine and engineering. I loved the door prizes and would do little science experiments at home long after the conference with the materials from my workshops."

—EYH SAN JOSE STATE PARTICIPANT,
SAN JOSE, CA

"I remember we did a 'mock toxic spill' exercises where we dressed up in hazmat suits, took samples of the mystery spill substance, and ran through a series of chemical tests to figure out what it was. This made a big impression on me. It was about this time that I decided to become a scientist."

— EYH MILLS COLLEGE PARTICIPANT,
OAKLAND CA

