

for Women in Science & Engineering

A Great Group of Women

The New Mexico Network for Women in Science and Engineering (NMNWSE) strives to connect women across NM who have a passion for their chosen fields in science and engineering – inclusive of all areas within STEM and the allied professions.

NMNWSE members work to make their communities stronger and embrace the development of programs for women that foster growth and empowerment through STEM-related disciplines and educational experiences. NMNWSE **goals**:

- Provide women in science and engineering with networking opportunities to build strong, personal connections with other women in STEM;
- Apply the power of a statewide network of women to motivate, engage, and support girls and young women as they move from STEM interests to STEM careers;
- Support gateways for empowering girls to see themselves as future scientists and engineers, through STEM conferences, our career book, etc.;
- Celebrate the accomplishments of young women by providing monetary awards during science fairs and competitions; and
- Leverage partnerships with highly respected STEM role models, programs, and other organizations that empower women and girls.

NMNWSE has hosted 25 annual technical symposiums, bringing together hundreds of women scientists. Members take a much-needed break, one weekend a year, to gather together in a welcoming, caring environment to re-energize, learn about other members' work, and cultivate a network of encouragement and support. The NM Network strives to continue the 35-year legacy of active engagement by NM women in STEM who pay-it-forward as volunteers on the Board, during EYH Conferences, leading Committees, as judges during science fairs and competitions, & much more.

NM Network members have helped provide annual, gateway experiences in STEM to over 1,000 female-participants for 30 years, of which over 50% of the young women come from underrepresented minority groups. The Network has provided tote bags, seed funding, insurance, and promotional support for over 140 EYH Conferences in NM since 1980. Ultimately, this has reached over 30,000 girls and young women throughout the state for the past 37 years.

IMPACT! Award 2018

This Award works to recognize incredible women who empower other women to get equipped with leadership and STEM tools and skills – who make an **IMPACT!** Nominate a NM woman for the **IMPACT! Award!** Deadline: August 31.

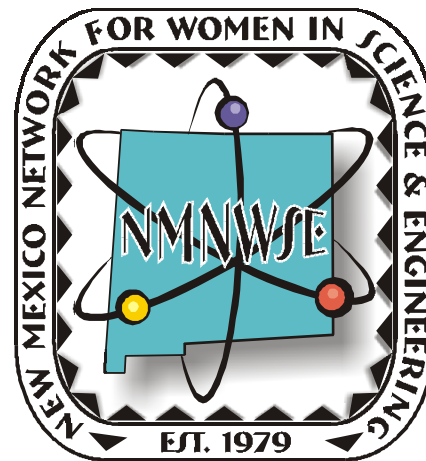
Nomination information is located here: <http://nmnwse.org/ImpactAward/>.

The NMNWSE Board welcomes suggestions for women to nominate for awards and similar recognition from other organizations.

- email your suggestions to NMNWSE_Board-L@list.unm.edu -

2017-18 Memberships - Join or Renew Today!

Visit www.paypal.me/nmnwse to submit your dues online (add 3% fee)! Use the attached form to submit your information. See <http://nmnwse.org/join/> for more information.



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for more news, see
nmnwse.org

Contact us at:
NMNWSE_Board-L
@list.unm.edu or
webmaster@nmnwse.org

✿ Expanding Your Horizons (EYH) Conferences

Two NM EYH Conferences are held in the fall of each year:

- ✿ Carlsbad, held on Friday, October 13, 2017
- ✿ Santa Fe, held on Saturday, October 21, 2017

EYH Carlsbad hosted 50 girls in 6th grade at the 6th Grade Academy.

EYH Santa Fe – Fall hosted 165 girls in 6th – 8th grades at the Santa Fe Community College.

EYH Santa Fe – Fall submitted the following in their report:

Can you name more than ten female scientists and engineers? Did your mathematics and science class mention more than two female in that profession? Most people cannot and teachers are still slowly incorporating more females and people of color into their curriculum. Thanks to the leadership of STEM Santa Fe, 165 girls can name at least sixteen historical females in STEM and have met and interacted with sixteen more STEM professionals!

We asked participants to identify what the BEST part of the day was. Here is a sample of the responses:

- ✿ The best part of today was in the beginning where I got to learn a lot of two women's lives and about a really cute dog called Houdini.
- ✿ The best part was the penny activity because I like puzzles.
- ✿ The best part was learning how to do coding.
- ✿ The best part was meeting new people and having the opportunity to learn something new. I want to come again!
- ✿ Everything was fun today!



Biofuels, Algae and Microscopes

Presenter: Ondine Frauenglass

Tour of the SFCC biofuels facilities where the young women used microscopes to look at algae cultures grown in the Lab.



Radiation in the World Around Us

Presenters: Raeanna Sharp-Geiger and Maria Nappi

The young women explored different types of radiation, where it is found in everyday life, and learned how to detect it!

* Join Us! 2018 NM Science & Engineering Fair (NMSEF)

Saturday, April 7

Join NMNWSE at NM Tech and be a judge for the NM Science and Engineering Fair, plus Board meeting. Volunteers to help judge the NMNWSE special awards are requested! Please contact the Board if you can join us as a judge.

7:30 AM: Fidel Student Center: Check in, pick up Judge badge, breakfast is provided

7:30 – 8:00 AM: NMNWSE members assign categories

8:00 – 10:00 AM: NMNWSE Award Judging

11:30 AM: Lunch is provided

12:30 PM: Award Winners Selection meeting, Jones Annex, Room 101

1:30 PM: Board Meeting, Jones Annex, Room 101



* AAUW Tech Trek NM enters its 5th Year

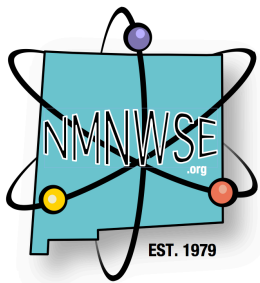
June 10 – 16, 2018

NM Tech, Socorro



Tech Trek is a week-long, immersion, residential summer camp for girls entering 8th grade, and is focused entirely on STEM. Girls from all over the state are nominated by teachers, and are then invited to submit an application and essay. Every young woman who submits an application will be interviewed for 1 of the 64 spots.

Tech Trek NM is looking for volunteers with a commitment to STEM education who will assist with activities, field trips, and general camper needs during the weeklong event. Volunteering with Tech Trek is a great way to get involved in helping girls discover their potential in STEM. Tech Trek is staffed almost entirely by volunteers, and couldn't be done without volunteer efforts. All staff will receive room and board on campus and a stipend. Donations are also being accepted via <https://techtrek-nm.aauw.net/>, or mail checks to Tech Trek NM, PO Box 251, Placitas, NM 87043. If you have any questions, contact Cheri Burch, co-Director, NMNWSE member, via techtreknm@gmail.com.



CAREERS: EXPLORING THE POSSIBILITIES

NM Network for
Women in Science
& Engineering

The NMNWSE Careers book was created and published by NMNWSE for our EYH conferences. Free to download from the website, nmnwse.org.

* More Judging Opportunities

The STEM-H Center is seeking volunteer judges for two upcoming competitions:

Junior Science & Humanities Symposium, March 2 – 3, at University of New Mexico
Central NM Science & Engineering Research Challenge, March 22-24, at Expo New Mexico
Contact Karen Kinsman for more information, kkinsman@unm.edu or visit <http://stemed.unm.edu/>.



* Growing the Legacy of Native American Leadership in Science and Technology

Intel, in partnership with NCWIT, hosted: "Growing the Legacy of Native American Leadership in Science and Technology: A Thought Leadership Event." Watch the highlights of the event on YouTube: <https://youtu.be/g6fP8DyBZIs>.

* Science of Beer 2018 event

Friday, February 23, 2018, 7 PM – 11 PM
A Marbleous 21+ Event from Explora and Marble Brewery

Have you ever wondered what the difference actually is between ales and lagers? Or why that wheat beer smelled like a banana? Join us as we totally geek out on Albuquerque's favorite adult beverage at the Science of Beer. <http://www.explora.us/science-beer-2018/>

* African American History Month

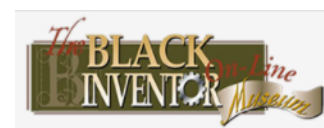
In recognition of African American History Month, resources that serve to promote African American students in STEM are highlighted:

Black Girls Code is designed to increase the numbers of young women of color in the field of digital and computer technology by teaching skills and new technologies, introducing role models, and increasing self-confidence to become tech creators and entrepreneurs. <http://www.blackgirlscode.com/>



Black Women and Girls in Computing Roundtable and executive brief from NCWIT: The goal of the Roundtable was to connect black women and girls in computing with related organizations in tech, education, government, policy, and media to discuss influence, intersectionality, and media messaging, emerging with a commitment to sustain the community of black women and girls through tangible resources and actions. <https://www.ncwit.org/resources/black-women-and-girls-computing-roundtable-executive-brief>

The Black Inventor Online Museum focuses on the ingenuity and accomplishment of the top black inventors over the last 300 years. Inventors are profiled with a section dedicated to female inventors: <http://blackinventor.com/female-inventors/>.



Science NetLinks has developed a number of resources that help honor the achievements and scientific work of African Americans. <http://sciencenetlinks.com/collections/black-history-month/>

ScienceNetLinks

* International Day of Women and Girls in Science

February 11, 2018

The International Day of Women and Girls in Science recognizes that full and equal access to and participation in science, technology, and innovation for women and girls of all ages is imperative for achieving gender equality and the empowerment of women and girls. The United Nations created a website that includes resources around this resolution.

<http://www.un.org/en/events/women-and-girls-in-science-day/index.shtml>



* Girl Day: Introduce a Girl to Engineering

February 22, 2018

Introduce a Girl to Engineering Day (Girl Day) is an international event that helps focus a growing movement to inspire girls' futures so they learn they have a place in engineering a better world. DiscoverE provides resources to plan a Girl Day, online training for volunteers, and tips for starting conversations about engineering.

<http://www.discovere.org/our-programs/girl-day>



* New Season of SciGirls on PBS

SciGirls is excited to announce a new season! In the six new episodes, the SciGirls and their mentors tackle STEM adventures in both Spanish and English, celebrating the language and cultures of our fastest-growing and youngest ethnic group in the United States: Latinos. The SciGirls design dance costumes using coding, engineer a chicken coop, work with NASA to design water bottles, explore tree ecology in Puerto Rico, and more! New episodes are premiering on PBS KIDS (check your local listings) and online at pbskids.org/scigirls.



New Mexico Network for Women in Science and Engineering

PO Box 51926, Albuquerque, NM 87181

NMNWSE_Board-L@list.unm.edu

<http://nmnwse.org>

Membership Form

Membership year October 1 through September 30 (or fall elections, whichever is later)

Mail completed form and dues to NMNWSE, or pay via PayPal (add 3% fee), www.paypal.me/nmnwse.

Full Name: _____ **Date:** _____

This form is for:

_____ Membership Renewal

_____ New Membership

_____ Information Change / Other

Membership Type (circle one):

_____ \$40 Professional Affiliate Donor-Match

_____ \$10 Student Teacher Retired Non-employed

_____ \$ Donation* for _____ general fund _____ student awards

_____ EYH scholarships @ \$10/student _____ EYH (gen)

_____ other (specify) _____

*Donations to NMNWSE are tax deductible to the full extent of the law. Membership fees are not. If you need a receipt for tax purposes, please check here: _____

Contact Information:

Occupation: _____

Employer: _____

Work Address: _____

Home Address: _____

E-mail Address(es): _____

Telephones: day: _____ evening: _____

cell: _____ fax: _____

Preferred Newsletter option: email: _____ mail: _____

Education:

School: _____ Maj: _____ Deg: _____ Yr: _____

School: _____ Maj: _____ Deg: _____ Yr: _____

School: _____ Maj: _____ Deg: _____ Yr: _____

Indicate your interests. Please mark area to appear in the membership directory by 'MD', additional interests by 'X'.

_____ Anthropology _____ Chemistry _____ Geology _____ Medical Sciences

_____ Astronomy _____ Computing _____ Health Sciences _____ Physics

_____ Biology _____ Education _____ Management _____ Psychology

_____ Business _____ Engineering _____ Mathematics

_____ other (specify): _____

Indicate the local chapter with which you wish to be affiliated:

_____ Central (Albuquerque Area)

_____ Northern (Los Alamos and Santa Fe Area)

_____ Eastern (Portales Area)

_____ Southern (Las Cruces and Silver City Area)

Internal Use	
Action	Date
dues received	
database change rec'd	
database changed	
sent to local president	
Membership Year	
Last Paid	

Indicate NMNWSE outreach and activities that interest you:

Outreach - Expanding Your Horizons (EYH), Student Awards, etc:

<input type="checkbox"/> EYH All	<input type="checkbox"/> EYH Silver City
<input type="checkbox"/> EYH Los Alamos/Santa Fe	<input type="checkbox"/> EYH Las Cruces
<input type="checkbox"/> EYH Santa Fe	<input type="checkbox"/> EYH Carlsbad
<input type="checkbox"/> EYH Albuquerque	<input type="checkbox"/> new EYH in _____
<input type="checkbox"/> Science Fair/Student Awards	<input type="checkbox"/> judging awards
<input type="checkbox"/> Improving NMNWSE Careers book	<input type="checkbox"/> updating related links on website
<input type="checkbox"/> Other outreach (specify): _____	

Annual and Local Meetings:

<input type="checkbox"/> Annual Meeting attendance	<input type="checkbox"/> Annual Meeting planning
<input type="checkbox"/> Annual Technical Presentations	
<input type="checkbox"/> Local Meetings with networking	<input type="checkbox"/> Local Meetings with talks

Board Activities (BA):

<input type="checkbox"/> BA Website	<input type="checkbox"/> BA Fundraising	<input type="checkbox"/> BA Publicity
<input type="checkbox"/> BA Newsletter	<input type="checkbox"/> BA Archives	<input type="checkbox"/> BA at-large
<input type="checkbox"/> BA Membership	<input type="checkbox"/> BA IMPACT! award	<input type="checkbox"/> BA local board
<input type="checkbox"/> BA other (specify): _____		

Indicate the listserver(s) you'd like to be on: (members automatically added to NMNWSE-L)

<input type="checkbox"/> NMNWSE_Board (board members automatically added)	<input type="checkbox"/> LAWIS (Northern Chapter)
<input type="checkbox"/> Central Chapter (Central Chapter Activities)	<input type="checkbox"/> Central_EYH (EYH Albuquerque)

Email(s) to add to list server(s): ☐ home ☐ work ☐ other (specify): _____

If you have alternate emails you'd like to be able to post from, but do not want subscribed, please list them here (otherwise posts from non-subscribed emails bounce to the webmaster for approval, a spam control measure):

What would you like to get back from NMNWSE membership?

Other Comments?
