

Los Alamos Women in Science

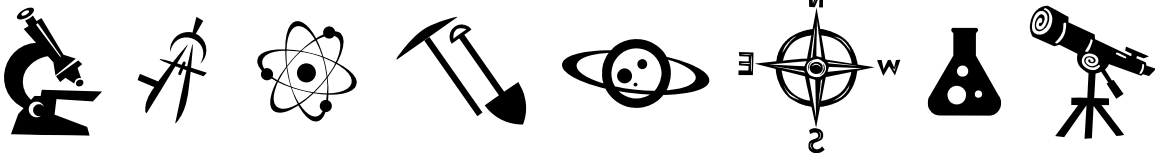
Presents:

Expanding Your Horizons 2009

Technical Workshops for Young Women

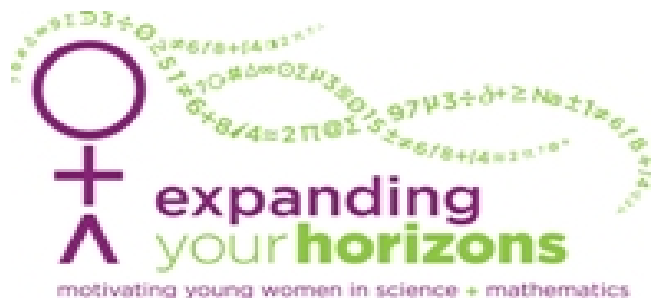
April 1, 2009

University of New Mexico-Los Alamos Campus



Help us Celebrate 30 Years!





WHAT IS EYH?

The Expanding Your Horizons (EYH) Technical Workshops offer students in grades **8-10** a unique opportunity to explore careers in the Science, Technology, Engineering, Math (STEM) and related fields. The workshops deal with topics such as cryptography, earthquakes, water resources, robots, light and lasers, DNA extraction and modeling, engineering, and everyday math. **Registration and attendance are free and include lunch.**

For students attending EYH09, the day will begin with a general orientation session, followed by a challenging team-building competition. The students will then break up into small “hands-on” workshops led by outstanding women scientists in a variety of STEM and related fields. Depending on the selected schedule - “**full**” or “**short**,” the students will break out for a second small “hands-on” workshop in the afternoon or just visit the science demonstrations. **IMPORTANT: When registering, please be sure to select *Full Schedule* or *Short Schedule* (in case early departure is required).**

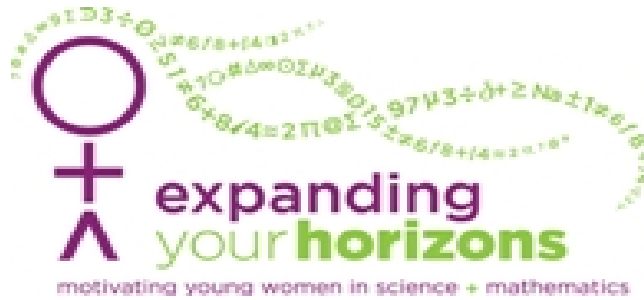
Full Schedule

Registration	08:00 – 08:30
Orientation	08.30 – 08:45
Team Activity	08:45 – 10:15
Workshop 1	10:30 – 11:45
Lunch	12:00 – 12:30
Workshop 2	12:45 – 02:00
Science Demos	02:15 – 03:15

Short Schedule (for early departure, if required)

Registration	08:00 – 08:30
Orientation	08.30 – 08:45
Team Activity	08:45 – 10:15
Workshop	10:30 – 11:45
Lunch	12:00 – 12:30
Science Demos	12:45 – 01:45

The EYH09 participant target is 150, and **we invite each school to bring 10 students**, as space is limited. In case you wish to bring more than ten students, please include a note stating why the additional students might particularly benefit from attending this event.



Anticipated Student Workshop Topics

Robots
Light and Lasers
DNA Extraction and Modeling
Astronomy
Chemistry
Veterinary Medicine
Aviation Technology

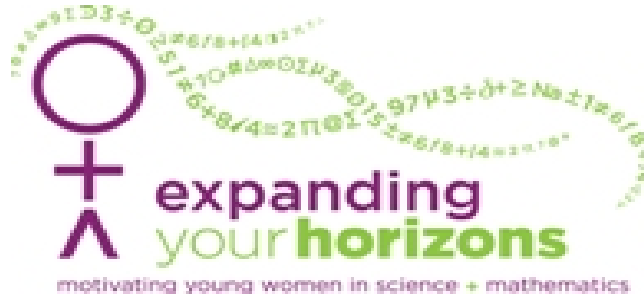
Plus: Team Activities with Air Force Cadets and more!

Teacher Workshop

Accompanying teachers, parents, and other adult student supervisors have the opportunity to participate in an interactive and informational session that will include:

- Hands-on math and science activities for engaging students in the classroom.
- Presentations on funding and other resources to support classroom STEM instruction.
- Information on continuing education and professional development opportunities in STEM teaching.
- Networking with peers to share best practices and common needs for support in teaching STEM courses.

Please be sure to fill out the ***EYH09 Sponsor Information/Teacher Workshop Registration Form*** either online or fax it in together with the student registrations.



<http://nmnwse.org/lawis/eyh/>

While online registration is preferred, printer friendly forms are available on this web site. Forms may be faxed or mailed to the EYH09 Registrar (address below and on web site). **Replies received by March 6th get first priority.** Participants registered by this date receive confirmation of their registration, along with any additional maps or program updates. Late registration closes March 20th and is accepted on a space availability basis.

After March 20th, please call to inquire if space is still available for on-site registration. **NOTE:** Student registration forms require signature from student's parent or guardian. Questions? See online instructions or contact EYH09 Registrar as follows:

EYH09 Registrar

Jutta Kayser
PO Box 1663, MS A249
Los Alamos National Laboratory
Los Alamos, NM 87545
jkayser@lanl.gov
(505) 665-3104
Fax (505) 667-7340



We thank UNM-LA, LANL, AAUW, and SAIC for their continued support. A complete list of local and statewide sponsors will be published in the final EYH09 program.