

WORKSHOPS to CHOOSE FROM

Please choose **SIX** workshops, but you will ATTEND ONLY THREE. When you Register online, tell us your choices in order, starting with your favorite. We make every effort to allow you to participate in at least one of your first three choices.

1 Chart Your Path in the Sky. Learn about aircraft basics, flight planning, piloting, air traffic control, weather, and more! *Jane Lucero, Airport Development Administrator*

2 Inside a Strawberry. How small can you go? Extract strawberry DNA — genetic experiments begin with this first step. Do this chemical process using household items! *WNMU Natural Science Majors*

3 Open Wide! Doing the Dental Exam and... MORE! Give a dental exam, use staining tablets to see how clean your teeth are, or use the same stuff dentists use to make dental molds of your teeth. *Dr. Caytlyn Bonura, Dentist, Silver Smiles*

4 Junior Vet for Your Pet. Do physical exams on a cat, a dog, and a goat! Learn about diagnostic procedures like reading an ultrasound and taking an animal's blood pressure. *Dr. Deidre Wilmeth, Veterinarian*

5 From Jurassic Park to Jaws: Discover the World of Fossils! Make your own fossil and explore your take-home kit that includes a dinosaur bone, shark tooth, and fossil-shell pendant! *Karen Love, PhD Geologist*

6 Uncovering the Secret Lives of Snakes. Set your preconceptions aside and use the latest (and oldest) technology to learn about snake behavior. *Melissa Amarello, MS, Executive Director, Advocates for Snake Preservation*

7 Rockin' Around New Mexico. Learn how geologists identify and find ore. Create a geologic map, then drill and mine an ore deposit! *Bonnie Ertel & Jessica Hobb, Geologists, FMI*

8 Modern Who Done It? Introduction to the Albuquerque Crime Lab. Hands-on activities used to solve crimes. *Ashley Martin, Forensic Scientist*

9 Magnetron Magic. Learn how the microwave works to heat sugars, fats, and water-based liquids. And...can you use the microwave to make cosmetics? *Judy O'Loughlin, Grant County Extension Home Economist*

10 Tools of the Trade. Learn how to use some of the tools a doctor uses: Listen to your heart, take your blood pressure, test your reflexes, and more! *HMS staff*

11 Wet and WILD! Explore the Life Cycle of the Gila Trout! Learn about conservation, water quality, and careers for women in the federal government. *Carolyn Koury & Teresa Smergut, Gila National Forest*

12 Capsules, Lotions, "Magic Potions." Pharmacy fun! Pour it in, mix it up, put it in a bottle... make pills or lotions you can take home. *Barbara Wood, Pharmacist*

13 Digging Up Bones of Apes... and AUNTS! Meet your extinct hominid ancestors, affectionately known as our "Aunts," in a hands-on exploration of anthropology. *Manda Clair Jost, PhD, Professor of Biology, WNMU*

14 From Seeds to Plants to Food. Learn how to grow plants from seed, sample some food we grow, and head home with some free seeds so you can start your own garden! *Tricia Hurley of Lone Mountain Native Plants Nursery and students from Aldo Leopold School's Youth Conservation Corps*

15 What Does a Nurse Do? Learn nursing assessment techniques using real medical equipment. *Alexis Harsh & Krista Wood, Nursing Professors*

16 Never Stop Exploring! Using Technology to View Your World.

Learn how applied geography helps people understand the world & plan for the future. *Kathy Whiteman, WNMU*

17 Physical Therapy—Your Career, Your Life, Your Health! Find out if this health-care career is right for you! Test your balance and strength in real physical therapy activities. *Suzanne Thomas, Physical Therapist*

18 Meet ALICE! Alice is FREE 3D software that makes it easy to create animations or games. Learn programming skills and take Alice home with you to continue the fun! *Tanya Rivers, MS, Assistant Professor, Department of Math & Computer Science, WNMU*

19 Turn Rock into Metal! Learn about the processes modern mines use to extract useful metals from ordinary-looking rocks. *Andrea Kennedy, Senior Metallurgist, FMI*

20 Stitch It Up! An introduction to medical suturing and surgical knot tying. Think it's easy? Try it! *HMS staff*

21 Chemixtures and Chemysteries! See what chemistry magic you can stir up. You may dissolve, dilute, amalgamate, & unite molecules! *Ilyia Medina Velo, PhD Assistant Professor, Department of Natural Sciences, WNMU*

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On Saturday, February 23, please arrive at the WNMU Intramural Gym at 9:00am.

The conference ends at 3:00pm. Your parent or guardian can pick you up at the Intramural Gym at 3:00pm.
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QUESTIONS? contact **Mikki Jemin** at **575-590-1041** or at **eyhsilver@gmail.com**

EYH PARTICIPANT'S NAME:

(please print)

Liability Release:

Participants shall remain liable and hold EYH Silver City, New Mexico, EYH Silver City volunteers, and Western New Mexico University harmless for any liability arising from their participation in the February 23, 2019 Expanding Your Horizons Conference and STEM Day for Girls at Western New Mexico University, except injury or damages that may occur because of the sole negligence, or willful and wanton misconduct of the University, University's officers, agents, or employees.

Photo Permission:

I give my permission to use photos or videos that include the above named participant for the purpose of publicizing and promoting future Expanding Your Horizons conferences. I understand that the images and recordings may be published in local newspapers, on the Internet, or used in other marketing material promoting the EYH conference at Western New Mexico University. Names and other private information such as addresses, phone numbers, email, or schools will NEVER be published.

SIGNATURE OF PARENT or GUARDIAN:

Date: _____

Admission to EYH is FREE!

But remember: Space is limited, and you must REGISTER by February 4.

Lunch will be provided, and participants will receive a free T-shirt and tote bag.

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If space is still available, you can register at the event. But DON'T WAIT — spaces may be full!
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TO REGISTER:

1. Go to www.eyhn.org
2. Click on "Find a Conference Today!"
3. Under "New Mexico", select "EYH Silver City"
4. Click on "I am registering for the Conference as a student"
5. Pick six workshops
6. Be sure to order your shirt
7. You will need a signed permission slip (see panel on THIS brochure) to attend

QUESTIONS? contact

Mikki Jemin at 575-590-1041

or at eyhsilver@gmail.com

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**Bring a smile, your curiosity,
and a positive attitude!**

26th Annual
**Expanding
Your
Horizons**

February 23, 2019



**A Conference in Science, Technology,
Engineering, and Math for Young Women**

EYH wants YOU!

If you are a young woman in grades 5–8, we invite you to join us for the 26th annual Expanding Your Horizons (EYH).

EYH is an exciting day of hands-on activities led by women mathematicians, scientists, and engineers. Through these workshops, you will discover that **math and science can be FUN!**