

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 The Dating Game! We will explore dating methods and learn how archaeological scientists tell the age of artifacts to study past cultures. *Belinda C. Mollard RPA, Gila National Forest Archaeologist*

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 live animals! Learn about diagnostic procedures used by veterinarians. *Jenica Laney DVM, Veterinarian, Arenas Valley Animal Clinic.*

5 Bees, Flowers & Honey: The Sweet Facts. Discover the hidden world of bees, flowers and pollination, and taste different honeys that bees produce! *Professors M.C. Aurora Xolalpa Aroche & M.C. María de Jesús Méndez Aguilar, Universidad Intercultural Maya de Quintana Roo*

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. *Brianna Bermudez, Forensic Scientist*

9 Beef Quality Assurance—Give It a Shot! Learn about the beef you eat, and learn about 4-H programs. *Jessica Swapp, 4-H Ag Agent and Tenisha Fell, 4-H Education Coordinator*

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 Tree Detectives: Figuring the Forest. Learn a fun, high-tech way to determine how many trees of certain species are in the forest. *Kathleen Hawkos MS, GIS Specialist, US Forest Service*

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*

DISCLAIMER: The Silver Consolidated Schools neither endorses nor sponsors the organization or activity promoted in this document. The distribution of this material is provided on an equal basis as a community Service.

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

(NOTE: This counts as TWO choices.) Learn how applied geography helps people understand the world & plan for the future. *Kathy Whiteman PhD and Corrie Neighbors PhD, WNMU and Laura Larish, Silver HS*

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 Graves, 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! *Ilyya Medina Velo PhD, Assistant Professor, Department of Natural Sciences, WNMU*

On **Saturday, February 22**, 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.

QUESTIONS? call, text, or email
Adrienne Dare 575-223-8163, or Karen Love 281-650-1169; email: eyhscnm@gmail.com

Permission to Participate

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 22, 2020 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. In the far-left column, click on **"Find an EYH Conference"**.
3. Look for **"New Mexico"**. Underneath **"New Mexico"**, click on **"EYH Silver City"**.
4. Click on **"I am registering for the Conference as a student"**
5. Pick six workshops. (*Note: #16 counts as two workshops.*)
6. Be sure to order your shirt
7. You will need a signed permission slip to attend. (See panel on THIS brochure.)

QUESTIONS? call, text, or email
Adrienne Dare 575-223-8163, or Karen Love 281-650-1169; email: eyhscnm@gmail.com

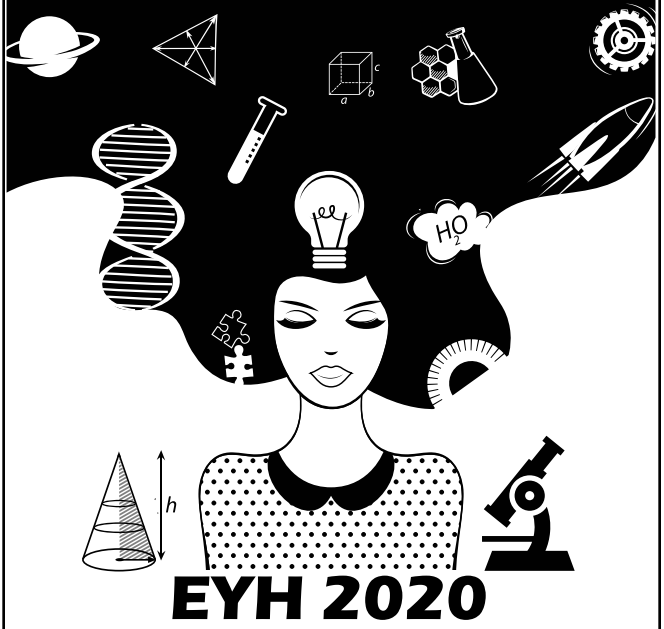
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Bring a smile, your curiosity, and a positive attitude!
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EYH is organized and hosted by



February 22, 2020
in Silver City NM

27th Annual EXPANDING YOUR HORIZONS



EYH 2020

Workshops in Science, Technology, Engineering, and Math
for Young Women in Grades 5–8

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EYH is an exciting day of hands-on activities led by women mathematicians, scientists, and engineers.

EYH is FREE and it's FUN!