

## WORKSHOPS TO CHOOSE FROM

**1. Chart Your Path in the Sky.** The magic and adventure of flying can be yours in many aviation careers. Learn about aircraft basics, flight planning, piloting, air traffic control, weather, and more! *Jane Lucero, Airport Development Administrator & Caroline Baldwin, Pilot*

**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! *Lyndsay Ryan, Cat Stailey, & Carol Kay Lindsey, 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. Kaiyra Salcido, Dentist, HMS & Savanna Hunt, Dental Hygienist, HMS*

**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. The Mystery of the Mine.** Use earth-moving equipment to recover nuggets of copper! Learn what mining is and how mining companies protect the environment while extracting the metals we use every day. *Jean Humphrey, Mine Engineer, FMI*

**6. The Amazing Eye.** Did you know sheep eyes are similar to our eyes? Learn about the function and location of parts of the human eye, and then dissect a real sheep eye! *Camille Hawkins, WNMU Alumna*

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

**8. Bare Bones!** A fun overview of anatomy & physiology, focusing on bones of the human body. *Holly Nummerdor & Camille Dalton, WNMU Natural Science Majors*

**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! *Dr. Rachel Seltzer, HMS Family Medicine Resident*

**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, & Marikay Ramsey, BLM*

**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. What Does a Nurse Do?** Learn nursing assessment techniques using real medical equipment. *Alexis Harsh & Krista Wood, Nursing Professors, with help from WNMU's Student Nurses Association*

**15. Rock 'N' Roll.** Learn what rocks and minerals are made of, how to identify them, and how they are used in our everyday lives. *Patricia Frisch, Geologist, FMI*

**16. 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*

**17. 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*

**18. It's ELECTRIFYING!!!** Explore solar energy and why it matters. Create an electrical circuit! *Jen Cooper, Journeyman Electrician & Certified Solar Installer, Wentz Electric; Cynthia Cooper, Electrician Apprentice*

**19. Stitch It Up!** An introduction to medical suturing and surgical knot tying. Think it's easy? Try it! "Ewww" Rating: Moderate. *Dr. Michelle Cortes, UNM Family Medicine Resident at HMS*

**20. Chemixtures and Chemysteries!** See what chemistry magic you can stir up. You may dissolve, dilute, amalgamate, & unite molecules! *Tausha Schysm & Tara Whittle, WNMU Natural Sciences Students*

## CHOOSE YOUR WORKSHOPS

Please choose **SIX** workshops, but you will **ATTEND ONLY THREE**. Tell us your choices in order, starting with your favorite. (Choice number six would be your least favorite.)

*We make every effort to allow you to participate in at least one of your first three choices.*

## REGISTRATION FORM

Please fill out form completely. PRINT CLEARLY. Give the completed form to your Math or Science Teacher, or contact Mikki Jemin, 575-654-5816 / maryjemin@yahoo.com, by **January 30**.

Your Name \_\_\_\_\_

MAILING Address  
\_\_\_\_\_  
\_\_\_\_\_

Name of Your Parent/Guardian \_\_\_\_\_

Contact Phone \_\_\_\_\_

Teacher \_\_\_\_\_

School \_\_\_\_\_

Grade \_\_\_\_\_ Age \_\_\_\_\_

**CIRCLE ONE:**

Hispanic Caucasian Asian Other  
African American Native American

**Have you been to EYH before?**

\_\_\_ Yes \_\_\_ No

If "Yes," how many times? \_\_\_\_\_

**WORKSHOP CHOICE NUMBERS:**

1st\_\_ 2nd\_\_ 3rd\_\_ 4th\_\_ 5th\_\_ 6th\_\_

Please list any **Special Needs** (wheelchair access, hearing/sight impaired, food allergy, etc.):

\_\_\_ I need a vegetarian meal

\_\_\_ I need a vegan meal

# 23rd Annual EXPANDING YOUR HORIZONS

FEBRUARY 28,  
2015



**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 23rd annual Expanding Your Horizons (EYH) Conference in Science and Mathematics.

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!

Join us Saturday, February 28, 2015 at Western New Mexico University from 9:00am to 3:00pm.

Admission to EYH is FREE! ...but remember: Space is limited, and you must REGISTER by January 30th.

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

If space is still available after January 30, you can register at the event.

But DON'T WAIT — spaces may be full!

**TO REGISTER:** give your completed registration form to your teacher or contact Mikki Jemin, 575-654-5816 / maryjemin@yahoo.com, by JANUARY 30

We will send you a letter in early February confirming your registration.

## THANKS, EYH Sponsors!

- AAUW – Grant County Branch
- Freeport McMoRan (FMI)
- Girl Scouts of the Desert Southwest
- Hidalgo Medical Services (HMS)
- New Mexico Network for Women in Science and Engineering
- Western New Mexico University



## Thanks to our Workshop Presenters:

Caroline Baldwin  
Cynthia Cooper  
Jen Cooper  
Michelle Cortes  
Camille Dalton  
Bonnie Ertel  
Patricia Frisch  
Alexis Harsh  
Camille Hawkins  
Jessica Hobbs  
Jean Humphrey  
Savannah Hunt  
Manda Clair Jost  
Carolyn Koury  
Carol Kay Lindsey  
Jane Lucero  
Holly Nummerdor  
Judy O'Loughlin  
Marikay Ramsey  
Tanya Rivers  
Lyndsay Ryan  
Kaiyra Salcido  
Cat Stailey  
Tauscha Schysm  
Rachel Seltzer  
Teresa Smergut  
Suzanne Thomas  
Tara Whittle  
Deidre Wilmeth  
Barbara Wood  
Krista Wood

On Saturday, February 28, arrive at Brancheau P.E. Complex at Western New Mexico University at 9:00am.

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

The conference ends at 3:00pm. Your parent or guardian can pick you up at the Brancheau P.E. Complex at 3:00pm.



## QUESTIONS???

Mikki Jemin 575-654-5816  
maryjemin@yahoo.com