

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*

2. Inside a Strawberry. How small can you go? Step out of the kitchen and into the lab, where we will extract strawberry DNA. Genetic experiments begin with this first step. Amazingly we can do this chemical process using household items! *Cat Stailey, WNMU Biochemistry major*

3. Put Your Finger in It! Making Dental Molds. Play around with the same stuff dentists use to make models of teeth. Dentists use models to study patients and design braces and to make crowns and false teeth. Take your model home! *Dr. Laura Sibrava, Dentist, HMS*

4. Healthy Kitty, Happy Kitty. While a real kitty is sleeping, learn about pre-surgical exams veterinarians perform every day — by DOING them! *Dr. Linda Locklar & Dr. Robin Hines, Veterinarians*

5. The Mystery of the Mine. How will you recover nuggets of copper? Using earth-moving equipment! 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! *WNMU Natural Sciences Students*

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

8. Bare Bones! A fun overview of anatomy & physiology of some of the bones of the human body. *April Lee & Erica Rasmussen, WNMU Natural Sciences majors*

9. Fortune-Telling Fish! Hold a “fish” in your hand and it will change position to reveal your personality! There must be a scientific explanation... Join us to discover what it might be. *Kathy Whiteman PhD, Prof. of Natural Sciences, WNMU & Susan Teller-Marshall, Gila Conservation Education Center (GCEC) Board Member*

10. Medical Tool Kit. Did you ever wonder what a doctor or nurse sees when they look into your ear? Or what they hear when they listen to your heart? You'll find the answers in this fun hands-on workshop, using real medical instruments. *Dr. Mona Flores, HMS*

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

12. Wet and WILD! Explore the wonders of southwestern rivers and the Life Cycle of the Gila Trout! Learn about conservation, water quality, and careers for women in the federal government. *Carolyn Khoury, Gila National Forest & Marikay Ramsey, Bureau of Land Management*

13. Capsules, Lotions, “Magic Potions”. Pour it in, mix it up, put it in a bottle... make pills or lotions you can take home while you find out what a pharmacist does. *Barbara Wood, Pharmacist*

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. Have fun while learning about rocks and minerals! Learn what they are made of, how to identify them, and how they are used in our everyday lives. *Patricia Frisch, Geologist, FMI*

16. Physical! How long can you hold a gyroscope? Can you do pushups? How strong is your back? Test your balance and strength in real physical therapy activities. *Suzanne Thomas, Physical Therapist*

17. The Awesome Power of the Sun. Explore how we use solar energy, and why it matters. Try solar cooking and solar race cars! *Denise Smith, Silver City Office of Sustainability & NMSEA, and Susan Harwood, Gila Conservation Education Center (GCEC)*

18. Suturing & Surgical Knots 101: Medical Sewing for Beginners. An introduction to basic suturing and surgical knot tying. Thinks it's easy? Wait until you try it! “EWWWW” Rating: Moderate. *Julie Fitzgerald PA, HMS*

19. Be Anywhere, Anytime. Video collaboration technology lets people work and learn from anywhere, and actually helps people engage more effectively and efficiently. Log in to experience it! *April Hanson, Video Communications Manager, WNMU*

20. Chemixtures and Chemysteries! The chemistry lab is open... Have a great time seeing what chemistry magic you can stir up. You may dissolve, dilute, amalgamate, & unite molecules! *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, 575-313-9833 / maryjemin@yahoo.com, by **Thursday, 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__

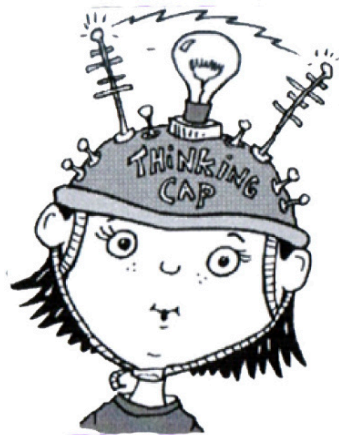
Please list any Special Needs (wheelchair access, hearing/sight impaired, food allergy, etc.):

___ I need a vegetarian meal

___ I need a vegan meal

22nd Annual EXPANDING YOUR HORIZONS

FEBRUARY 22,
2014



**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 22nd 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 22, 2014 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, 575-313-9833 / 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:

- Bonnie Ertel
Julie Fitzgerald
Mona Flores
Patricia Frisch
HMS Care Providers
Susan Harwood
Robin Hines
Jean Humphrey
Carolyn Khoury
April Lee
Linda Locklar
Jane Lucero
Judy O'Laughlin
Marikay Ramsey
Erica Rasmussen
Amber Rheubottom
Laura Sibrava
Denise Smith
Cat Stailey
Susan Teller-Marshall
Suzanne Thomas
Kathy Whiteman
WNMU Natural Sciences Students
Barbara Wood

On Saturday, February 22, 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???

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chtfbx@yahoo.com