

IT'S FREE!

PRE-REGISTRATION IS REQUIRED.  
SPACE IS LIMITED!

Please PRE-REGISTER NO LATER THAN Wednesday, May 11  
**DON'T DELAY! Visit our ONLINE REGISTRATION TODAY!**  
**www.gewallawalla.com**

Pre-Registration is required and helps us to schedule your classes  
and order your free lunch\*.

THREE WAYS TO REGISTER!

1. ONLINE REGISTRATION PREFERRED  
**www.gewallawalla.com**

(Site is not mobile phone friendly)

2. MAIL-IN REGISTRATION

Must be received no later than May 11th.

Mail to: Great Explorations, Carol Morgan,

1765 Gray Lynn Drive, Walla Walla, WA 99362

3. DROP-OFF REGISTRATION

Must be received no later than 5:00 pm, Wed., May 11th.

Please turn in your completed form to: YWCA, 213 S. First Avenue  
Walla Walla, WA 99362

**Any Questions?** Call Carol at 509 520 9977



Watch for an  
e-mail confirmation  
of your registration  
after April 23rd.

SPONSORS

Great Explorations in Education thanks the following sponsors  
for their generous support of the 2022 Great Explorations  
in Science, Technology, Engineering and Math Adventure.

Walla Walla Public Schools • College Place Public Schools • YWCA of Walla Walla  
American Association of University Women - Walla Walla

GENERAL OPERATING SUPPORT

J.L. Stubblefield Trust • Clara and Art Bald Trust • Mary Garner Esary Trust  
George T. Welch Testamentary Trust • Yancey P. Winans Testamentary Trust

SPECIAL THANKS TO

21st Century Programs: Walla Walla & College Place Public Schools  
Walla Walla High School Principal Ron Higgins

Great Explorations In Education  
c/o Carol Morgan  
1765 Gray Lynn Drive  
Walla Walla, WA 99362

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GREAT EXPLORATIONS 2022

YOU BELONG HERE

A hands-on science, technology, engineering, arts & math adventure for 7th & 8th grade girls

**SATURDAY, MAY 14, 2022**

Student Drop-off/Pick-up location - WA-HI Gym parking lot

Off Reeser Rd between Howard and Fern. **Look for Balloons**

Student check-in 9:20-9:50 am - Event 10:00am -1:30 pm

ES GRATIS!

GRANDES EXPLORACIONES 2022

TU PERTENECES AQUI

Una aventura práctica de ciencia, tecnología, ingeniería, matemáticas y artes  
para jovencitas de 7<sup>º</sup> - 8<sup>º</sup> grado

**SABADO, MAYO 14, 2022**

Dejar a las estudiantes/Lugar de recogidaEstacionamiento del gimnasio de Wahi  
Fuera de la carretera de Reser entre las carreteras de Howard y Fern. Busque los globos.

Registrado del estudiante: 9:20 a 9:50 por la mañana • Evento: 10:00 a 1:30

¿Habla usted español?

Pregunta cómo puedes asistir:

1. Pregunta a tu maestro.
2. Llama a Carol Morgan al 509-520-9977  
ayuda llame a Delia Gutiérrez 509-730-3605

email: GEWallawalla@gmail.com

3. Pregunta en la YWCA de WW.

4. Visita el sitio web: [www.gewallawalla.com](http://www.gewallawalla.com)

SCHEDULE

**Saturday, May 14, 2022**

9:20 to 9:50 am ..... Student Check-in  
10:00-10:30 am ... Orientation /Welcome  
10:40 to 11:40 am. Workshop A  
11:45 to 12:15 am Break / Food \*  
12:20 to 1:30 pm .. Workshop B / Evaluación

\*A **FREE lunch** will be **provided**. Please bring your own lunch if you need special food.  
Free beverages for all will be available.

# 1. **ASTRONOMY**  
*Andrea Dobson*  
*Eclipse the Moon!*  
Explore why the Moon goes through phases and when eclipses can happen. Be ready for the total lunar eclipse on May 15, 2022.

# 2. **MEDICINE**  
*Allison Kirby*  
*Follow Your Heart*  
Come learn about the heart by doing experiments with plastic heart models pumping water. We will explore some heartfelt questions: does the heart pump better with valves or no valves; why is it important to give your heart exercise? Challenge your friends to a one-minute pump-off and gain a better appreciation for this magnificent muscle. This class will be ideal for those who love having fun while learning and don't mind getting a little wet.

# 3 **FOOD CHEMISTRY**  
*Hannah MacDonald*  
*Cooking with Kindness*  
Local Chef Hannah MacDonald will demonstrate some of the hidden everyday science in the kitchen and show how to use this knowledge to cook for your friends and family.

# 4 **MICROSCOPY**  
*Michelle Shafer*  
*Microscopy and the Microbes Around Us*  
There are microbes everywhere! Lurking all around us, some are good and some are bad, found in our food, the environment, and even on us! Use a microscope to look for "unseen" organisms in yogurt, water, soil, and other samples. Can you find the cute little water bear in the water? Come find out!

# 5 **21st CENTURY**  
*Angeles Hernandez - 21st CCLC / WWPS*  
*The Space Girls*  
Learn how reaching space is easy, even as a middle schooler. These ladies did!

#6 **ROCKETS**  
*Sue and Anne Schulz*  
*Rocket Science*  
Make and launch rockets! Blow things up! Enough said!

# 7 **PHYSICS**  
*Peggy Willcuts*  
*Click, Crash, Boink!*  
Using your best inquiry strategies, explore the world of simple toys that use "kid-power" for energy. Design tests, collect data, and take home a simple example for further exploration!

# 8 **ORNITHOLOGY**  
*Jessica Hernandez*  
*Backyard Bird BnBs*  
Learn about birds in your backyard and build your own birdhouse ("BirdBnB").

# 9 **GREEN CHEMISTRY**  
*Mary Burt*  
*How "Green" is Your Clean?*  
Learn more about the principles of "Green Chemistry" and find out just how "green" your home cleaners are by conducting chemical toxicity tests on Daphnia, a small water crustacean.

#10 **BIOTECH/BLOOD CHEMISTRY**  
*Karen Hedine*  
*What Type Are You?*  
Discover how to determine your blood type and the biotech methods you use.

# 11 **21st CENTURY**  
*Demetria Edge - 21st CCLC / WWPS*  
*Design It, PRINT It*  
Learn the skills needed to design and make your own 3D models.

# 12 **NURSING/DISSECTION**  
*Eileen Seifert*  
*The TellTale Heart*  
Lubdub, lubdub, lubdub...that sound is you! Measure pulse, temperature, blood pressure and more. What is your body saying? Understand some basic tests of health. Dissect a sheep heart to see what keeps it ticking.

# 13 **DENTISTRY**  
*Nanette Goyer*  
*Open Wide: A Career in Dentistry*  
Torn between a career in science and a career in art? Why not both? A dentist is a scientific artist! Join us and we'll show you how to make a good "impression"!

# 14 **VETERINARIAN**  
*Danielle Carey*  
*Veterinary Medicine*  
Learn about our fluffy, furry friends and how to keep them healthy.

# 15 **21st CENTURY**  
*Beck Williams - 21st CCLC / WWPS*  
*CODE; Escape the Maze*  
Can you CODE your way through a maze? Get the basics for this "in demand" skill!

**WELCOME ADDRESS - DR. JULIE PERRON**

Julie Perron currently works as the Director of Equity and Dual Programs with Walla Walla Public Schools. Julie is bilingual Spanish/English and a high energy teacher, with lots of enthusiasm for self empowered learning and advancement.



IT'S FREE!

REGISTRATION FORM

**ONLINE REGISTRATION PREFERRED - [www.gewallawalla.com](http://www.gewallawalla.com)**  
**OR** Cut out and return this Student Registration Form. Please print clearly!

Pre-Registration is required and helps us to schedule your classes and order your **FREE lunch\***  
\*FREE lunch provided. Please bring your own lunch if you need special food. FREE beverages for all will be available.

Student's First Name \_\_\_\_\_ Last Name \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone Number (    ) \_\_\_\_\_ E-mail \_\_\_\_\_

School \_\_\_\_\_ Grade \_\_\_\_\_

All contact information, including email, is for registration confirmation only and will not be shared.

1. **Workshops are for Students ONLY.**
2. Please indicate your top four different choices for workshops.
3. Put each **WORKSHOP NUMBER (#)** in the space provided below.
4. **Any questions?** Call Carol at 509-520-9977

Due to space constraints, parents will NOT be permitted to attend student workshops.

Watch for an e-mail confirmation of your registration after April 23rd.

I HAVE ATTENDED GREAT EXPLORATIONS BEFORE.

☐ Yes ☐ No

First choice: # \_\_\_\_\_ Second choice: # \_\_\_\_\_ Third choice: # \_\_\_\_\_ Fourth choice: # \_\_\_\_\_