- moo.allawallawap.www
- 4. Visita el sitio web:
- 3. Pregunta en la YWCA de WW. email: GEwallawalla@gmail.com
- 2. Llama a Carol Morgan al 509-520-9977
 - 1. Pregunta a tu maestro.

Pregunta cómo puedes asistir:

Delia Gutiérrez 509-851-4195 forma? Para mas ayuda llame a ¿Necesita ayuda para entender esta

Sloneqse beteu eldeH5

La esquina de Park y Boyer, Walla Walla En el Cordiner Hall el campus de Colegio Whitman

M9 64:5 - MA 00:9 ofneya

M9 02:8 - MA 05:8 sətnaibutzə əb ortzipəA

SABADO, MARZO 9, 2019

Matemáticas para chicas del 5º al 8º grados

Una Aventura de Ciencias, Tecnología, Ingeniería y

GRANDE EXPLORACIONES

food, we recommend you pack your own lunch. Water and fresh fruit will be available.

*Lunch Provided: We cannot accommodate special dietary needs. If you need special

(Cordiner Hall Foyer) *boo1 \ Sreak \ Food

Hall for pick-up back to Cordiner (Science/Olin Hall) A qorkshop A.....Workshop A

. mq 34:S Students Escorted (Science/Olin Hall)

..Workshop C / evals mq 04:3 ot 04:1 4tonya4 \ noitstn9in0...... ms 00:01 ot 00:9 (Science/Olin Hall) 12:30 to 1:30 pm Workshop B

8:20 to 8:50 amStudent Check-in Cordiner Hall Lobby - Whitman Campus

Saturday, March 9, 2019

SCHEDNIE S

(Cordiner Hall Foyer)

(Cordiner Hall Foyer)

• email: gewallawalla@gmail.com www.gewallawalla.com

that utilize science, technology, engineering exciting careers. personal contacts with women in these To provide 5th through 8th grade girls with an To provide an opportunity to meet and form

informal, hands-on experience with careers

STVOÐ EÐNEUELINOÐ

the amazing Northern Lights in the magnetic fields, and glitter (!) by putting you will also learn more about the Sun, best seen. During the keynote address, out where and when Northern Lights are and information from the public to figure scientists are using both satellite data can participate in this discovery, and how aurora borealis. She will share how you basics of the physics that cause the Liz will introduce you to the beautiful "?ella Walla Walla Walla?" them? How can you make contributions

do you know when is the best time to see What are the Northern Lights and how



rocket missions. Department of Energy) satellite and Space environment for NASA and DOE to measure charged particles in the also led teams that build instruments high-tech space physics. She has outreach, Liz does some amazing her. In addition to citizen science and years, and it never ceases to amaze the Northern Lights for more than 20 Liz has been studying the glitter of

-(1иәшәэивиц)

(Strong Thermal Emission Velocity of a new aurora called STEVE 2018, she announced the discovery nl !notgnidashW ni nəəs əd nəvə nas predict the Northern Lights, which observations and social media to aurorasaurus.org/), which uses citizen called Aurorasaurus (http://www. She leads a citizen science project Space Flight Center in Maryland. Space Administration) at the Goddard bns lesitusnoral Aeronautical and Great Explorations attendee, works a 1995 Wa-Hi graduate and former Dr. Liz MacDonald,

KEYNOTE SPEAKER

A hands-on science, technology, engineering math and arts adventure for 5th through 8th grade girls Cordiner Hall - Whitman College Campus

for developing and creating the new oninline registration website. Dr. Janet Davis and the Senior Capstone Project Whitman College Computer Science Department,

> SPECIAL THANKS TO Blue Mountain Community Foundation

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GENERAL OPERATING SUPPORT

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in Science, Technology, Engineering and Math Conference. for their generous support of the 2019 Great Explorations

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SPONSORS

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Corner of Park and Boyer Streets, Walla Walla SATURDAY, MARCH 9, 2019

Student Check-in 8:20-8:50 Event 9:00am to 2:45pm



Liz is our 2019 GE Key Note Speaker, and a WA-HI Graduate of Distinction.

NEW THIS YEAR - REGISTER ONLINE I

www.gewallawalla.com • gewallawalla@gmail.com

PRE-REGISTRATION IS REQUIRED. SPACE IS LIMITED! **Registration accepted until classes are full OR** no later than Wednesday, March 6th Registration fee of \$5.00 per person.

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

CHECK OUR WEBSITE - WWW.GEWALLAWALLA.COM - FOR ANY LAST MINUTE CHANGES ON WORKSHOP OFFERINGS

ASTRONOMY #1

become an astronomer, and cross into the universe of the stars. Enter an extraordinary lab, Star Light, Star Bright Andrea Dobson

WOMEN IN MEDICINE

Join professor Jaime Bowman, WSU School of Medicine, to explore medical careers through the eves of female medical Jaime Bowman Yes, We Can!

SPACE PHYSICS

students and physicians.

Liz MacDonald-KEYNOTE SPEAKER static electricity. Discover how tiny particles create "weather" in space uncover the inner workings of and how this affects satellites Make your hair stand on end, explore what is plasma and Snap, Crackle, Pop

NEUROSCIENCE #4

messages through your neurons Explore how electricty transfers Electricity in the Brain eena Knight

FORENSIC BIOLOGY #

way DNA evidence solves crimes See how it's done. Discover the **DNA Crime Lab** *Arielle Coole*v

Explore how chemistry explains unexpected color changes. home a piece of magic! Magical Chemistry Marion Gotz

RAPY PHYSICAL & OCCUPATIONAL THE Andrea Gass **1**

Explore you do for a hand injury? Examine Iry your hand at rehab. What can x-rays. Make a wrist splint. I electrical stimulation & othe therapeutic tools. Handy Work

STRUCTURAL ENGINEERING 8

Monica Nelson

Uncover the secrets of early **Toothpicks and Gumdrops** Discover the world of build through tasty geometry *Marianne Smith* Zoetrope Animations **ART IN SCIENCE** animation. 6 #

VIRTUAL REALITY # 10

Experience VR, AR and Mixed Discover the Virtual World Reality using VR computers headsets, iPads/iPods, and Cardboard technology 21st CCLC / WWPS

and

#

CHEMISTRY

9#

a plant. Manage growth & seed production, while balancing your computer simulation to become towards the light, send roots How are plants able to grow flower without a brain? Use Can you think like a plant? down, and decide when to natural resources.

MOLECULAR BIOLOGY # 12

Getting Cheeky Create a K'NEX DNA model and using your own cheek cells, isolate your DNA, then make it into a necklace to take home! Mary Buri

ENVIROMENTAL SCIENCE #13

Look behind the scenes at how we process our trash and care for our environment. Guess how long it takes for an item to decompose *Talking Trash* Trash! What do we do with it? and build a model landfill Erendira Cruz

FORESTRY #14

management by setting it ablaze. *Up in Flames* Build a fire resilient landscape. trees. Test your skills of forest Understand the benefits of Amber Mahoney

www.gewallawalla.com FERRED ONLINE REGISTRATION PRE REGISTRATION

SPACE IS LIMITED! All spots are usually filled a week before the conference, so don't delay! Cut out and return this Student Registration Form with your registration fee. Please print clearly!

Note: Your information

will not be shared

🗀 I have made arrangements for a scholarship. (Call Carol Morgan 509-520-9977, *OR* email:GEwallawalla@gmail.com). **□** \$5 cash **0R** ☐ \$5 check *0R* I HAVE ENCLOSED (Please check one):

If you need special food, we recommend you pack your own lunch. NOTE: Lunch will be served. We cannot accommodate special dietary needs. Water and fresh fruit will be available.

	I HAVE ATTENDED GREAT
	Zip
	State
Last Name	City
Student's First Name	Address

E-mail Phone Number (

Contact information, including email, is for registration

confirmation only, and will not be shared

EXPLORATIONS BEFORE.

≥

□ Yes

1. Workshops are for Students ONLY.

School

- 2. Please indicate your top six different choices for workshops.
- 3. Put each WORKSHOP NUMBER (#) in the space provided below.

Third choice: # Second choice: #_ First choice: #

Sixth choice: # Fifth choice: # Fourth choice: #

#15

Peggy Willcuts Eye Spy:

#10

Simple Beauty Recipes Amy Amerein to take home

AQUATIC BIOLOGY # 17

mportant indicator species Get to know our local little

18

The Future of Flight Build and fly drones!

OPTICAL BIOLOGY

Learn how your eyes can be totally he Science of Optical Illusions Ilusions that you can make and really there! Experience optical fooled to see things that aren' then take home.

are part of pharmacy, past and present. A little Lip gloss and dry skin cream are two everyday items which

PHARMACY

chemistry, and alot of fun! Make your own lip gloss or skin cream

Felicia Williamson

21st CCLC / WWPS

Elizabeth Danka #19 MICROBIOLOGY

us, and in the world. Learn how illness, and ways to prevent the bacteria grow, how some cause ROBOTICS/COMPUTER SCIENCE Tiny organisms live on us, in Breathtaking Bacteria! spread of disease.

medical laboratory. Use a microscope to see blood cells. Find out about

uniform while you discover what happens to a blood sample in a

-ab coats and gloves are your

Examin live animals, skeletons, x-rays, and more! Learn to care for those who

can't tell you where it hurts.

HUMANE SOCIETY

#24

Sara Archer

Brooke Cox & Claudia Mattice

Critter Care

VETERINARY MEDICINE

#23

What's Your Type?

Leslie Hubbard **BLOOD TYPING**

#27

blood type and how it can be used to save lives or solve crimes. We'll

Puppies & Kitties & Science - Oh M Understanding how to care for those

needing a forever home.

provide the "blood

Karen Hedine

BIOLOGY

#28

Model DNA

Nancy Forsthoefel & Michelle Shafer

Make a sweet model of DNA using

Give It A Shot Discover the secret battle between germs

Elizabeth Boland

MEDICINE

#25

edible supplies.

MICROSCOPY

29

would ever do: Give a pretend shot to an and antibodies. Do something no doctor

orange or banana, then eat the patient!

air and cause us to sneeze. Take a super close look under million dollar microscopes and see why pollen is

Lubdub, lubdub, lubdub...That sound

The Telltale Heart

Eileen Seifert

NURSING

26

Make and launch rockets! Blow

Rocket Science

things up! Enough said

ENTOMOLOGY

22

is You! Measure pulse, temperature, blood pressure and more. What is

Flower pollen can fly through the

The Secret Garden

21st CCLC/WWPS

Solve everyday problems using programming logic, robotics, and circuits in this hands-on, Sue Schulz Anne Schulz Spheros, Cubelets, and creative workshop. littleBits **PHYSICS** #21

lobster, the crayfish. Dissect this Crayfish Cut-Up

and DEADLINE and DEADLINE REGISTRATION HERE!





Discover how to use computers to

build 3D molecules.

Atoms to Molecules

Dalia Biswas

MOLECULAR MODELING an amazing grain of life

#30

your body saying? Understand some basic tests of health. Dissect a sheep

Discover the amazing world of

Bee Smart Beth Thiel

flowers and bees. Learn why bee survival is so important

heart to see what keeps it ticking

PRE-REGISTRATION IS REQUIRED. SPACE IS LIMITED

Registration accepted until classes are full OR no later than Wednesday, March 6.

All spots are usually filled a week before the conference

DON'T DELAY! Visit our ONLINE REGISTRATION TODAY! www.gewallawalla.com

Students on the waiting list who are not admitted to the conference will have their registration fee returned shortly after the conference. Students who register after the conference is full will be placed on a waiting list and notified. Some students on the waiting ist will be able to attend the conference due to cancellations prior to March 9th and/or no-shows the day of the conference.

For information on available scholarships, Contact Carol Morgan no later than Wednesday, March 6. Registration fee of \$5.00 per person.

Call: 509-520-9977 E-mail: gewallawalla@gmail.com

2. Mail-in Registration REGISTRATION PREFERRED ONLINE

www.gewallawalla.com

Due to space constraints, parents will NOT be permitted to attend

student workshops.

Credit card, PayPal, Mail-in or Drop-off payment options available for online (Site is not mobile phone friendly) registration

THREE WAYS TO REGISTER!

to Great Explorations in Education) with your Must be received no later than March 6. Please enclose \$5 - cash or check (payable registration form 1765 Gray Lynn Drive, Walla Walla, WĂ 99362

Must be received no later than 5:30 pm, Wed., March 6th Mail to: Great Explorations, Carol Morgan,

Drop-off Registration

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Please turn in your completed form with cash or check payment to: YWCA, 213 S. First Avenue Walla Walla, WA 99362