$GIRLS \ FOR \ STEM$ VIRTUAL CONFERENCE FOR 7^{th} and 8^{th} grade GIRLS

REGISTRATION FORM

Saturday, April 30, 2022 10 am – noon

PLEASE PRINT CLEARLY

Students and parents must register separately in order to participate.
Mail this registration form to:
Maria Ellis, AAUW Girls for Stem
450 W. 42nd Street, Suite 27D, New York, NY 10036
Registration confirmations will be provided by email.
Registration deadline is April 8, 2022.

Name			
Last	First		
Grade Level (Please check one):	7 th Grade 🔿	8 th Grade	Parent
Home Mailing Address			
City		State	Zip
Parent's E-mail (required)		@	
Parent's Telephone Number			
School & School District			

Pictures and video of conference attendees may be taken and may be used on our website or in publications. By registering for the conference, you have given us permission to use your/your child's image and to be contacted for a follow-up study.

I grant permission for my child to attend the Virtual GIRLS FOR STEM Conference

Parent/Guardian Name (please print)

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Parent/Guardian Signature - REQUIRED

STUDENT WORKSHOP CHOICES

Each student will be assigned ONE workshop. Write the names of your first TWO choices.

1st

 2^{nd}

If your choices are full, we will place you in another workshop. We think they are all terrific and you may discover some great careers you had not considered before.

STUDENT WORKSHOPS

1. Let's Take a Cell-fie

You will never look at the vegetables on your plate the same way. What part of the plant did they come from? Which vegetables are closely related to one another? Plants are composed of cells—what do the cells look like? Be prepared to get up close and personal with vegetables and learn how this information is helping scientists improve farming. We will virtually tour a research laboratory at Cornell that researches plant cells.

2. PhotosynthesEYES!

Students will learn about the processes that plants perform and how these processes supports all life on earth. Using the basic elements of water and light, students will witness photosynthesis right in front of their eyes and use experimental design to explore how different environmental factors can influence a plant's metabolism.

3. The Future of Lighting: The power of sustainable lighting design

Learn about the fundamentals of lighting design, lighting sustainability, and the women who passionately move the industry behind the scenes. If you are interested in how lighting affects our lives, from the ambiance of our environment to the effect it has on our behavior, don't wait. Sign up for this unique lighting workshop and see how women globally are progressing the future with lighting design.

4. Slide-ing into Cells

If you sign up for this workshop, we will send you a lab kit with one foldable microscope and several slides of model organisms to observe. During the workshop, students will learn how to draw scientifically. There will also be an optional pre-session for reviewing how to assemble microscopes.

5. Brain Games

Put on your thinking cap and learn to make a model brain cell while learning about all the mind boggling things a brain can do- from recognizing words and colors, to making memories, to controlling your movements.

6. Survive the Zombie Apocalypse

Learn to stop zombie disease from spreading and how to survive the apocalypse healthy and strong.

7. Explore AI and Art with mozAIrt (https://www.mozairt.org/)

Explore Artificial intelligence from its basics and explore how it can be applied in the world around us through interactive activities. Learn about ethics-in-AI topics like the impacts of facial recognition on marginalized communities, through the creation of music and art.

8. Navigating COVID-19 in NYC

Students will use Tableau to monitor and make their own predictions on Covid 19 data trends. Students will learn how to use data to better understand the impact of the pandemic across different socioeconomic groups, ages, and races.

PARENT WORKSHOP

Parent's Guide to Early College Awareness

When does the college process start? How do colleges make decisions about whom to accept? What should I know about financial aid? What courses shall my daughter take in high school? Learn the answers to these questions and more in our workshop for parents.