NGCP National Webinar
Exemplary Practices using Girls STEAM Ahead with NASA
Free Resources
Chat Transcript, 10/29/2019

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Participant Chat
Casi Herrera: Welcome! Thank you for being here. Please introduce yourself in the chat and let us know what you hope to learn while you’re here!
Zach Thompson: Zach here from Mueller Planetarium in Lincoln, NE. Looking forward to learning about more ways to engage a wider audience and excite them with space science & astronomy!
Pat Benner: Hi! I am always happy to learn about new NASA resources. Pat Benner- 6th-7th grade
Holly Eberle: My name is Holly and I'm the Youth Technology Librarian at the Algonquin Area Public Library District in northern Illinois.
Linda Rosenblum: Linda Rosenblum, National Park Service, Washington Office of Interpretation and Education
Margaret Major: Margaret, GSU-Perimeter College. Would like to learn about NASA resources.
John Loehr: Hi Everyone! John Loehr with Science Olympiad. I'm interested in learning other ways we can engage our participants with NASA resources.
Sarah Fitz: My name is Sarah Fitz, and I am with Leander ISD in Leander, TX. I work with Elementary Science curriculum, and I am hoping to learn about resources available through NASA, and in particular, solar system models.
Amie Waltrip: Hi, I'm Amie! I'm from Muhlenberg County Public Libraries in Greenville, Ky. We love doing STEM programs for our patrons, so we're happy to see the resources that are available for us to use in future programs!
Barbara Barker: Hello, I am Barbara in Rochester NY. I am looking for resources that I can use in my Earth and Space Science HS course.
Madison Weaver: Hi! I'm Madi from Girl Scouts of West Central Florida
Lisa Sofie: Lisa Sofie I work with school district and am very interested in this topic
Maria Siepmann: Hello everybody, my name is Maria, I am "just" a Mom. My daughter got recently interested in Astronomy so here I am.
Amy Oliver: Amy Oliver, Smithsonian Astrophysical Observatory FLWO field site in Amado, AZ. Looking forward to learning more about ways to inspire the public to participate in STEM programming.
Hannah: Hi! I'm Hannah from Girlstart in Austin, excited to see how our organization can use NASA resources to empower girls in STEM!
Bryan Casey: I work at Ingenium, Canada's Museums of Science and Innovation. I support the national outreach, which includes our free downloadable Women in STEM resources. Always eager to learn more about resources for Women in STEM both for inspiration and to avoid duplication.
Nikki: Nikki from Breaking Free in Aurora, IL. We run an afterschool program in West Chicago IL and are always looking for new activities to implement with students.

Jenny Kopach, Science Olympiad: Jenny Kopach, Executive Director of Science Olympiad! We are a NASA Universe of Learning Partner too and would love to learn what NGC is doing! We are also familiar with NGC because of our work with Million Women Mentors!

Shannon Jones: Shannon Jones from the Museum of Discovery in Little Rock, Arkansas. I am the Girls in STEM Director, and I am looking to engage and inspire our girls with new resources.

Emma Laube: Hello! I'm Emma from the North Museum in Lancaster, PA. I am hoping to learn about resources to reach the girls who come to our museum!

Kenwyn Craddock: Ken Craddock: HSI STEM grant director and biology prof at Eastern New Mexico University. Part of my responsibilities are to engage with K-12 students with STEM, as well as work with teachers and teacher candidates in developing STEM engagement activities.

Mila Velimirovich-Holtz: Mila from the Bell Museum at the University of Minnesota Twin Cities. I have worked both informal and formal (high school biology). We will be getting new state standards soon so I am hoping to use this information to help with that transition.

Peter Tlusty: Hello! I am a technology teacher in Richmond, Virginia. Pre-K-8th

Jessica Henricks - Girl Scouts NorCal: Jessica Henricks, Space Science program manager with Girl Scouts of Northern California, working on the Reaching for the Stars: NASA Science for Girl Scouts project

Swellar Zhuo: Swellar Zhuo from Girl Scouts of Western New York in Rochester, NY. Here to learn more about STEM programming for our K-12th Girls :)”

Kimberly King: Hi, I am a Youth Services Librarian at Priestley Forsyth Memorial in Northumberland Pennsylvania. We do many STEM activities. and have a STEM club for preschool to teens. I am also a Girl Scout leader. Currently I have a mixed age level troop of girls. Girl Scouts in the Heart of PA has a large STEAM initiative and STEAM mobiles to visit troops and hold events

Anna Olguin: Anna Olguin here! San Antonio ISD, Program Coordinator for Middle School CTE programs. Looking for engagement resources for our students in after school, in school and summer camp opportunities. STEM rocks!

Miesha Bennett: Hi, Im Miesha from Wheeler County extension 4-H youth development program

Kayde Kaiser: I am from Alaska Space Grant, and we offer a Girls Junior Engineering class in the summer. Always looking for fun, engaging activities.

Darlene D. Ingram: I am looking for outreach activities for girls age 6-22

Chris Nichols: Chris Nichols, STEM Program Specialist from Girl Scouts of Southeastern Michigan, thank you for having us!

Jillian Sherman: Jillian, Girl Scout leader in the GS of the Commonwealth of Virginia, and a homeschool mom.

Tanya Kindrachuk: My name is Tanya (Portland Oregon) and I work for 4-H and teach afterschool clubs around STEM and Natural Resources. I am here because I want to learn more!

Jakarta Washington: Jakarta Washington with Embry-Riddle Aeronautical University. Ready to learn all about the resources for local schools, and various STEM events

Maureen Salmi: Hi. I’m Maureen Salmi NASA/JPL Solar System Ambassador Docent, W. M. Keck Observatory

Kathy Moore: Kathy from Central Washington State. I am a Girl Scout Specialist (Computer Science, Astronomy, Swimming, etc.) with GS of Eastern Washington and Northern Idaho, a member of a Night Sky Network Astronomy Club, and a CTE Teacher.
I have gone through the GS / NASA training regarding the new GS Astronomy badges. Carla Burton: H, I'm Carla Burton, Branch Mgr. for the Fulton County Library System–Ocee Library. I am partaking in this webinar to obtain info. about STEM programs which encourage non-traditional and underserved youth to seek careers and lead the nation in STEM fields.

Casi Herrera: Thank you everyone, for being here! Please continue to introduce yourself here. Matilde Perez: Carrie Childress: AAUW Victor Valley CA Celebrating Women In Mathematics and Science 2020 STEM conference for 8th grade girls.

Casi Herrera: You can also ask questions in this chat box, as Holly is presenting. Laurie Winder: Laurie Winder: Hello. I'm a middle school library media specialist and STEAM teacher. I am looking for ways to learn what NASA has to offer in STEM learning resources for my kiddos and I to implement at my school district.

Tanya McCoy: After-school and youth program coordinator at our local community center

Maureen Salmi: Will we have access to these slides?

Casi Herrera: The slides and the link to the recording will be posted on the original event listing. I will also send them out to all those who registered for the event.

Erin Schloss: Program Specialist for Girl Scouts of the Missouri Heartland, STEM pillar expert

Pat Benner: Thank you --it is always great to have the slides to refer back to!

Casi Herrera: Absolutely!

Leah Strichartz: Hi, I'm Leah Strichartz and I'm a STEM educator in the San Francisco Bay Area.

Maureen Salmi: Thank you, Casi.

Casi Herrera: Maureen! I am so happy you were able to connect!

Casi Herrera: If any of you have any questions of comments, please type them here!

Dr. H: Thank you Ms. Herrera, I am on.

Casi Herrera: I love it! Moon Pies!

Matilde Perez: Matilde Perez: San Bernardino County Superintendent of School Alliance for Education. I want to know what resources are available to students.

Maureen Salmi: Do they assign colors by wavelength?

Emma Marcucci: Archived webinars can be found here: https://www.universe-of-learning.org/gsawn#girls-steam-webinars

Stacy Harbour-Van Hoy: Was this just a one class experience or a series?

sandra medina: no definitely interested to do some homework!

Dr. H: Ms. Janosik, do you do these classes after school or during the summer?

Peter Tlusty: What activities did you use from JPL?

Lena Hosking: Will this webinar be recorded? Unfortunately, I missed the first 25 minutes.

Casi Herrera: Lena, yes! :) The slides and the link to the recording will be posted on the original event listing. I will also send them out to all those who registered for the event.

Abraham: Do you have recommended sites or resources where Art plays a big part in in STEAM.

Tanya McCoy: what was your timeline? How many weeks, and how hours per day?

Quyen Hart: Users in the Astrophoto Challenge have a lot of choice of colors for the different images

Lena Hosking: Thank you

Mila Velimirovich-Holtz: Is there a specific website we can go to that contains all the resources for girls of STEAM?

Dr. H: What is the time frame of your classes?

Dr. H: Thanks

Martha Escandon: Hi, I’m Martha, Exec. Dir. from a STEAM youth center in East LA!
Maureen Salmi: Do they just color them as art, or are the colors assigned to different wavelengths?
Maureen Salmi: yes
Kathy Moore: JS9: https://js9.si.edu/
Emma Marcucci: MicroObservatory can be found at https://mo-www.cfa.harvard.edu/OWN/index.html
Maureen Salmi: Perfect. Thanks!
Mary Dussault: Actually, the simplified version of JS9-4L (For Learners) is here:
Mary Dussault: https://www.universe-of-learning.org/gsawn
Quyen Hart: Thanks Mary!
Mary Dussault: oops, sorry here:
Mary Dussault: https://waps.cfa.harvard.edu/eduportal/js9/software.php
Zach Thompson: I see great opportunity for expanding our summer camp options at the planetarium!
Martha Escandon: This is the first time I hear of your program. I am so excited to have found you because we only have 1 out of 8 girls in our Robotics Club!
Zach Thompson: Also looking forward to using these to help reach the new Girl Scout badge requirements!
Nicole R: We are planning a Girls STEM camp for 4th-6th graders. I think the posters and other activities would be great to encourage our campers that week as well as all summer long.
April Bledsoe: All these links look great! Any chance to share them all in a resources page or something of the like?
Tanya McCoy: resources would work well with our school year clubs and summer camps
Emma Marcucci: There will be winter NASA's Astrophoto Challenges starting in late December.
Martha Escandon: I already printed astronaut women coloring pages to distribute today at our afterschool program!
Dr. H: I am the Educator Resource Center Coordinator at NASA GSFC in Greenbelt and I can see myself sharing this with teachers with whom I interact.
Martha Escandon: Will use your resources to start a girls coding club!
Sandy Janosik: Yay Martha!
Emma Laube: When you talk about video chatting with an expert as a resource would that be a pre-arranged interaction?
Emma Marcucci: Zach--these are great resources for the new badges. MicroObservatory is part of the badges
Martha Escandon: and Girls in STEAM Winter Camp 2019
Quyen Hart: If folks want suggestions about how to put together, please reach out to use at girlsSTEAMahead@universe-of-learning.org
Quyen Hart: put together our activities for a camp activity
Kathy Moore: I hope to use the NASA Hour of Code during the early December Computer Science Week, and will look into the JS9 to see if I can also use that in the classroom.
Maureen Salmi: Yes, the links in the chat room are not click-able. It would be great to receive those in an e-mail.
Emma Marcucci: Girls STEAM Ahead with NASA can help you connect with scientists and engineers from NASA for events
Emma Marcucci: Please reach out via the email Quyen entered above
Zach Thompson: Excellent, Emma! We're also getting a telescope for some star party opportunities with the Girl Scouts for hands-on observing.

Kathy Moore: Maureen, highlight the "link", hit Control-C, open a new browser tab, hit Control-V, then Enter.

Bryan Casey: If you're looking for more free educational resources relating to Women in STEM, check out our website at: [https://womeninstem.ingeniumcanada.org/](https://womeninstem.ingeniumcanada.org/). Resources include a poster series, resources and a timeline. Although we represent national museums in Canada, the resources would be applicable in the USA as well.

Casi Herrera: www.FabFems.org
Maureen Salmi: I'm on an iPad, so that's probably why links don't work. Thanks.
Quyen Hart: As someone who used the Binary bracelets in a girl summer camp, they loved merging science and art. It's low cost too!
Zach Thompson: Thanks, Bryan!
Emma Laube: Thank you!
April Bledsoe: www.SWE.org is a great resource as well
Maria Siepmann: Thank you for all the information and the available resources. I think I will use many of the resources you have talking about today, I think that for example the posters are a good way to empower girls to learn Science and I will for sure use them, but also I think it will be interesting to use MicroObservatory Resources or others like Binary Code... I am afraid that now I have to look at all the links and find out how to work with them. Thank you one more time!
Pat Benner: Thank you!
Kathy Thomas: Sign up today!
Dr. Tameka Jordan: Thank you so much for sharing this invaluable information!
Tanya McCoy: Great webinar! Appreciate the time and resources
Clarisa Gonzalez-Lenahan: Thank you so much for sharing your resources and wisdom with us!
Tanya Kindrachuk: Thank you!
Kenwyn Cradock: Thanks for an informative webinar.
Zach Thompson: Thank you so much!
Martha Escandon: THANK YOU!!!
Kayde Kaiser: Thanks! Already found an activity I am eager to do!
Bryan Casey: Thx!
Nicole R: Thanks!
Lisa Sofie: Thank you!
ALBERT RENZULLI: Thanks