



**Chat Transcript for NGCP webinar:
Exemplary Practices using Girls STEAM Ahead with
NASA Free Resources
November 4, 2020**

Marisa Garcia: Welcome, everyone! Please introduce yourself in the chat and respond to the poll.

Holly Hudson: Holly Hudson at the Terre Haute Children's Museum in Terre Haute, IN

Shawanda Thomas: I am STEM Director at Lawson State Community College in Birmingham, AL.

Holly Ryer: Hi everyone, I'm Quyen's colleague Holly Ryer from STScl. I will be keeping an eye on the chat. Thanks so much for joining us today!

Tish Bresee: Tish Bresee, Kopernik Observatory & Science Center "Girl Power" STEM

Sarah Butkay: Sarah Butkay, Girl Scouts of Central Texas STEM Program Specialist

Jennifer G.: Hi all, I'm a Children's librarian at Campbell County Public Library in KY.

Jorge Cabadas: Jorge Cabadas, resource coordinator from Aurora, Illinois

Amy Olson: Amy Olson, KY Department for Library and Archives - I support children/teen public librarians throughout the state of KY

Clara Gerner: Hello, I am an Adult/Teen Services Librarian from CCPL

Barbara Durst: Barbara D.: Branch member with AAUW in California

Hansa Giridhar: Hi, I'm Hansa. I am a student & STEM author and Entrepreneur. I live in Texas.

Barbara Brooks: Hi. Barbara from Georgia

Michelle Wells: Shared Science from Long Beach, CA

Matthew Cross: Matthew Cross, Library Technician at the Ak-Chin Indian Community Library in Maricopa AZ. I run STEAM programming for all ages (along iwth a lot of other hats.)

Beverly Cole: Greetings! I am an educator/supervisor from Shreveport, LA.

Matt Horsman: Matt Horsman University of Tennessee Extension and 4-H-Williamson County

Carolyn Slivinski: Hi, I'm also with STScl, working with your presenter Quyen. Dialing in from near Baltimore!

Kelly Savannah: Hello, my name is Kelly Savannah, SCA/AmeriCorps Education Coordinator Intern located at the C&O NHP

Brenda Caldwell: Brenda Caldwell: STEM committee member, I live in Michigan

Quyen Hart: Quyen Hart, GSAWN Team member from Baltimore MD. Welcome!

Alina Raskopin: Hello everyone! I'm Alina Raskopin from the Penn State Abington Kids & Teen College

Rinaz Jamal: My name is Rinaz Jamal. I am a student and volunteer from Tennessee who assisted at a local virtual workshop sponsored by NASA and held by Williamson County 4-H.

Kristin Donaldson: University of Alaska Museum of the North - Outreach Specialist - Science Educator

Amy Isvik: Hello I am Amy Isvik. I am CS graduate student at NC State who runs CS outreach programs (workshops, camps, etc.).

Madhav Bhavani Kumar: My name is Madhav Bhavani Kumar. I am a student at the 4H Agricultural Center in Tennessee. I have assisted in many 4H activities and I am happy to be here!

Mary Beth Antunes: Mary Beth Antunes, University of Tennessee Extension, Williamson County, 4-H Agent.

JK Wyatt: JWYatt- STEM Instructor YWCA of Metropolitan Chicago

Kata Lucas: <https://ngcproject.org/>

Clint Darr: Missouri Afterschool Network - Resource Center Coordinator

Kelly Savannah: Will the slides and resources for today's webinar be available somewhere for us to download? :-)

Kata Lucas: Yes, they will be available on the NGCP website

Quyen Hart: Yes! We'll be posting them on our website at NASA's Universe of Learning too

Kata Lucas: www.theconnectory.org

Kelly Savannah: Okay, great thank you :-)

Kata Lucas: www.fabfems.org

Kata Lucas: <https://www.ifthenshecan.org/>

Kata Lucas: You're welcome!

Quyen Hart: <https://www.universe-of-learning.org/gsawn#girls-steam-webinars>

Sowmil Kumble: Hello! My name is Sowmil Kumble and I am from Tennessee.

Marta Larson: Marta Larson, Michigan Girls Collaborative, MI After-School Partnership

Kata Lucas: <https://www.universe-of-learning.org/gsawn>

Holly Ryer: <https://www.universe-of-learning.org/>

Marisa Garcia: Hi everyone, remember you can ask questions here in the chat

Holly Ryer: <https://www.universe-of-learning.org/gsawn>

Holly Ryer: <https://chandra.cfa.harvard.edu/edu/pencilcode/>

Holly Ryer: <https://exoplanets.nasa.gov/alien-worlds/exoplanet-travel-bureau/>

Matt Horsman: Jennifer Stockdale's list of classes, along with other Williamson County 4-H STEM classes can be found at <https://williamson.tennessee.edu/4h-youth-development/>

Catmax: So, is this like science? Like study the world?

Holly Ryer: <https://chandra.si.edu/women/index.html#resources>

Madhav Bhavani Kumar: This is STEM

Madhav Bhavani Kumar: So, yes

Catmax: ok

Marisa Garcia: Yes, studying the universe is part of science and STEM

Holly Ryer: <https://media.universe-of-learning.org/documents/girlsSTEAM-Expanded-Universe-ActivityGuide.pdf>

Catmax: What is stem?

Rinaz Jamal: Science, Technology, Engineering, Math

Holly Ryer: If you are looking at resources in Spanish - there are some of those too:

<https://media.universe-of-learning.org/documents/girlsSTEAM-Expanded-Universe-ActivityGuide.pdf>

Amy Isvik: How long are most of the NASA Universe of Learning activities?

Kata Lucas: <https://www.universe-of-learning.org/universe-at-home>

Jennifer G.: are the cookbooks already ready or are they coming soon?

Jovita Dsouza: Are you able to help begin high school programs involving STEM?

Holly Ryer: <https://www.universe-of-learning.org/gsawn#girls-steam-webinars>

Madhav Bhavani Kumar: Holly Ryer will answer your answers and slide information with links

Amy Olson: girlsSTEAMahead@universe-of-learning.org

Tish Bresee: How do I get a copy of this presentation?

Holly Ryer: Our new event guides will help provide guidance on how to use several resources together for events.

Catmax: Thank you for telling us

Holly Ryer: The cookbooks will be coming online soon.

Kata Lucas: <https://sites.google.com/utk.edu/williamsoncountyextension/home/4-h/destination-space?authuser=0>

Holly Ryer: Hi Tish, you should get a follow-up email from NGCP that has a link to the presentation slides/recording. It will also be posted on the Girls STEAM Ahead website.

Marisa Garcia: Tish, a copy will be shared with the recording after the event

Marisa Garcia: Thanks, Holly :)

Tish Bresee: By email? Thanks Marisa :)

Marisa Garcia: yes, you will receive an email when the resources and recording are available. They will live on the NGCP event webpage

JK Wyatt: Jennifer what has been your recruitment strategy for girls? Is it thru 4H or directly to your organization?

Madhav Bhavani Kumar: 4H is the organization that recruits young adults and kids to learn by doing

Madhav Bhavani Kumar: She is one of the volunteers there

Madhav Bhavani Kumar: And she is a very, very good teacher

Marisa Garcia: "even boys should be interested in learning about female scientists" love that!!

Quyen Hart: Binary Bracelets - <https://chandra.cfa.harvard.edu/binary/>

Madhav Bhavani Kumar: Decoding Starlight

Quyen Hart: Decoding Starlight -

https://chandra.cfa.harvard.edu/edu/pencilcode/pencil_paper.html

Quyen Hart: We're here to help you and brainstorm ideas to make your event amazing!

JK Wyatt: Do you provide kits to students? Are they mailed? Is this included in cost per student? Do student pay anything?

Rinaz Jamal: Supplies were available outside the 4-H office for pickup beforehand. This was a completely free event for students.

JK Wyatt: Thank you!

Madhav Bhavani Kumar: So, this is a great event to attend

Madhav Bhavani Kumar: We may have it next year as well, maybe in person as well

Quyen Hart: Jennifer was awarded a mini-implementation stipend through GSAWN. Every year GSAWN awards stipends through NGCP. The application for these mini-implementation stipends usually open in the Spring, for events that should happen in the latter part of the year.

Kata Lucas: <https://museumofdiscovery.org/girls-in-stem/>

Marisa Garcia: Please ask questions here in the chat. Thank you!

Holly Ryer: If you have an event, please reach out to us to connect with a SME speaker.

Depending on schedules, we may be able to make a connection to a SME for your event - girlsSTEAMahead@universe-of-learning.org

Holly Ryer: The Trappist-1 activity focuses on scale models - it is also now available in Spanish. https://media.universe-of-learning.org/documents/UoL_TRAPPIST_Scale_Model-2018-02.pdf,

https://media.universe-of-learning.org/documents/UoL_TRAPPIST_Modelo_a_escala-ES-US.pdf

Quyen Hart: And here are the Exoplanets posters - <https://exoplanets.nasa.gov/alien-worlds/exoplanet-travel-bureau/>

Madhav Bhavani Kumar: What lead you to create your creative logo

Madhav Bhavani Kumar: In the form it is in

Karen Peterson: Madhav - the NGCP logo represents the spirit of collaboration both inside and OUT of the box.

Madhav Bhavani Kumar: Thank you, I can see that

Karen Peterson: Thanks for asking Madhav!

Madhav Bhavani Kumar: I didn't understand it at first

Linda Davenport: Good question, Madhav. I was trying to figure out the strategy behind the logo as well.

Kata Lucas: You can learn more about Museum of Discovery's Girls in STEM Program here: <https://youtu.be/LyJua8GHltw>

Shannon Jones: Shannon Jones- sjones@museumofdiscovery.org

JK Wyatt: Thank you!

JK Wyatt: Cost has been a big hurdle. We serve an under-resourced community.

JK Wyatt: Yea!!!!

Tish Bresee: your emails?

Judy C: Thank you!

Jennifer Hartsell Stockdale: jstockd4@utk.edu

Holly Ryer: girlsSTEAMahead@universe-of-learning.org

Kata Lucas: NASA Goddard Astrophysics Education Team needs assessment survey link:
<https://www.questionpro.com/t/AB7bnZilss>

Jennifer Hartsell Stockdale: Feel free to contact me. I'd love to help!

Tish Bresee: link to apply for grants?

Tish Bresee: ok got it

Kata Lucas: NGCP Survey Link: <https://ngc2018.typeform.com/to/tNqK53eq>

Jennifer Hartsell Stockdale: JK, the Decoding Starlight activity would be very cost-efficient.

Quyen Hart: Feel free to copy and paste this tweet out to your local informal education network too. The @NASAGoddard Astrophysics Education Team needs your input about informal education during these difficult times. Fill out this 10-minute survey to help them understand your current efforts and needs. *U.S. respondents only.
<https://www.questionpro.com/t/AB7bnZilss>

Holly Ryer: Thanks for listening in everyone - have a great day!

Quyen Hart: Thank you everyone!

Kelly Savannah: Thank you :-)

Beverly Cole: Very helpful and interesting. Thanks!

Teresa Clay: Thank you