



**NGCP Webinar Chat Transcript:
Girls STEAM Ahead with NASA Free Resources**
May 3, 2022

Marisa Garcia to Everyone:

Welcome. Please introduce yourself in the chat

Danie to Everyone:

Danie Ellsworth, MakerSpace Specialist from Alachua County Libraries

Kelly Reina (she/her) to Everyone:

Hello All! Kelly Reina, NGCP, in Chicago

Emily Early (she/her) to Everyone:

Hi! Emily Early from the National Girls Collaborative Project. Joining from Houston, TX.

Emma Karsten to Everyone:

Hi, Emma Karsten from The Powerhouse Science Center in Durango, CO!

Meghan Langmyer to Everyone:

Hello! Meghan from Discovery World (Science Center in Milwaukee, WI)!

Kathy Dejnowski - Thornton Public Library to Everyone:

Hello Everyone!! Kathy Dejnowski from the Thornton Public Library, Illinois.

Seisin Eyer she/her to Everyone:

Hello from Missoula MT! I am currently with spectrUM Discovery Area, a science based museum for kids. However I am here just to learn more about these programs

Mironda Fifer (LBDNH) to Everyone:

Mironda from LBDNH I'm the coordinator here at the Mary Brown Center in East Saint Louis IL I looking forward to any information to make STEM better for youth that don't understand.

Kyra to Everyone:

Hello, I'm Kyra from Boys & Girls Clubs of Pueblo

Anna Swenson (she/they) | Clark Planetarium to Everyone:

Hi all! I'm Anna Swenson, Community Programs Supervisor at the Clark Planetarium in Salt Lake City, UT

Patricia Rudolph to Everyone:

Hello from Coffey County Library in KS

Elizabeth, Fab Lab El Paso to Everyone:

Hello! Elizabeth Artalejo, STEM Instructor at Fab Lab El Paso

Quyen Hart to Everyone:

Thanks for joining Girls STEAM Ahead with NASA today. I'm a GSAWN team member and Senior Outreach Scientist at the Space Telescope Science Institute in Baltimore. Great to see you all today!

Kelly Reina (she/her) to Everyone:

<https://ngcproject.org/>

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

<https://theconnectory.org/>

<https://www.fabfems.org/>

Carolyn Slivinski to Everyone:

NASA's Universe of Learning <https://www.universe-of-learning.org/>

Marisa Garcia to Everyone:

Feel free to ask questions here in the chat

Carolyn Slivinski to Everyone:

Girls STEAM Ahead with NASA <https://www.universe-of-learning.org/gsawn>

Carolyn Slivinski to Everyone:

UoL Resources <https://www.universe-of-learning.org/resources>

You can go to the Resources page and search for "exhibits", "posters", etc.

Carolyn Slivinski to Everyone:

GSAWN Program Cookbook <https://www.universe-of-learning.org/contents/products/girls-steam-ahead-with-nasa-program-cookbook>

Carolyn Slivinski to Everyone:

No matter what your question, comment, or feedback may be, please feel free to reach out by using the form below or emailing us: info@universe-of-learning.org

Carolyn Slivinski to Everyone:

Request Subject Matter Expert <https://www.universe-of-learning.org/informal-educators/request-an-expert>

Carolyn Slivinski to Everyone:

ViewSpace <https://viewspace.org/>

ViewSpace interactives https://viewspace.org/interactives/unveiling_invisible_universe
<https://viewspace.org/resources/videos>

Imani Mehta to Everyone:

WOW

Marisa Garcia to Everyone:

would be a very cool thing to project at an event!

Imani Mehta to Everyone:

Cat's Paw is beautiful!

Carolyn Slivinski to Everyone:

NASA's Astrophoto Challenge <https://www.universe-of-learning.org/resources/projects/nasas-astrophoto-challenges>

Carolyn Slivinski to Everyone:

The Summer 2022 Challenges began May 2 and run through July 31.

Carolyn Slivinski to Everyone:

The tutorial videos are a great resource!

Carolyn Slivinski to Everyone:

The Astrophoto Challenge will take you here: <https://mo-www.cfa.harvard.edu/OWN/>

OWN = Observing With NASA

Imani Mehta to Everyone:

Can't wait to see JWT images!

Marisa Garcia to Everyone:

yes, Imani!! it is so exciting

Carolyn Slivinski to Everyone:

Again - what Quyen is doing may seem very complicated, but there are tutorials that walk you through the process.

Imani Mehta to Everyone:

Looks fun & creative

Marisa Garcia to Everyone:

I love that it is iterative. allows everyone to play around and try things again and again in different ways

Imani Mehta to Everyone:

Thank you!

Carolyn Slivinski to Everyone:

Right Marisa - and an important point of the image processing is that you would be doing the same process that scientists do!

Imani Mehta to Everyone:

I start with You Tube videos & follow up with PBL

Marisa Garcia to Everyone:

yes, watching videos is a good way to learn about new topics and introduce them to youth, too

Imani Mehta to Everyone:

UV beads?

Marisa Garcia to Everyone:

Like these: https://www.homesciencetools.com/product/uv-color-changing-beads/?gclid=Cj0KCCQjwpcOTBhCZARIsAEAYLuUeTN97gBtUGh4hoHTz2Zjgnypveb8CibLP9E7jVVYnukrWDt9SL3UaAtw-EALw_wcB

Kelly Reina (she/her) to Everyone:

UV beads will change color when they are in UV light (like in the sun)

Imani Mehta to Everyone:

Where can you get them?

Thank you, Marisa!

Marisa Garcia to Everyone:

I'm sure you can find them on Amazon or maybe even at craft stores?

Imani Mehta to Everyone:

You are a great resource, Marisa

From Marisa Garcia to Everyone:

:) thanks Imani

Carolyn Slivinski to Everyone:

Women in STEM Posters (and postcards) downloadable here: <https://www.universe-of-learning.org/contents/products/women-in-stem-poster-series?Type=poster>

Imani Mehta to Everyone:

I will include these beads in my solar car order from this company! ;0)

Marisa Garcia to Everyone:

oh cool! sounds like you've got some fun activities planned

Imani Mehta to Everyone:

I am debating whether to use rockets. I am afraid of liability issues - our insurance will go up!

Kyra to Everyone:

I'm working with middle schoolers and high schoolers this summer, I'd love some input on getting them and keeping them interested. That's where I struggle.

Carolyn Slivinski to Everyone:

Not an endorsement :-) but you can try stomp rockets...

Imani Mehta to Everyone:

We use Estes

Marisa Garcia to Everyone:

and I've used Paper rockets with straws before. pretty simple, safe, and fun

Imani Mehta to Everyone:

Life on other planets

Imani Mehta to Everyone:

Thank you so much!

Kelly Reina (she/her) to Everyone:

Register for upcoming events here: <https://ngcproject.org/events-announcements>

Quyen Hart to Everyone:

Look for our upcoming Recipe on Celebrating Women in STEM, which has tips on engaging girls and how to use Subject Matter Experts in your events. Thanks for joining us today!

Imani Mehta to Everyone:

Yes, Math!

& Pi

Kelly Reina (she/her) to Everyone:

Survey: <https://forms.office.com/r/dvSYhV9Qmk>

Meghan Langmyer to Everyone:

Thank you!