



**Chat Transcript for NGCP Webinar:
From Research to Practice: Gender Equity in STEM**
March 9, 2021

Marisa Garcia (she/her) to Everyone : Welcome everyone, please introduce yourself here in the chat!

Tina Harte to All panelists : Tina Harte, Nasa Langley Research Center in Hampton, VA

Kata Lucas (she/her) to All panelists: I'm going to turn off my video - so everyone can focus on our panel :) Nice to see and meet everyone

Sladjana DeAngelo to All panelists : Sladjana DeAngelo, Kyrene School District, science curriculum coordinator

Darwin Kovacs to All panelists : Darwin Kovacs; Volunteer for NCWIT

Brenda Britsch (she/her) to Everyone : Hi everyone - thank you for joining us! Brenda Britsch with NGCP

Linda Kekelis to Everyone : Hello everyone. Linda Kekelis, advisor with STEM Next Opportunity Fund, joining from Oakland, CA

Sara Kobilka to Everyone : Hello! This is Sara Kobilka joining from New York. If you had an "other" option that would be the option I'd pick. I'm a SciGirls trainer and involved with NGCP and run my own consulting company Renaissance Woman Consulting.

Zahra Hazari to All panelists : Hi all!

Sandra Daza to Everyone : Hello everyone. My name is Sandra Daza. I am from Colombia and I work at Maloka Science Museum

Monica Morrison to Everyone : Greetings from South Louisiana! I'm Monica with River Parishes Community College

Jessica Williams to Everyone : Hi everyone! My name is Jessica Williams. I am the Outreach Coordinator at Discovery Center Museum in Rockford, IL.

Melissa Mullins to Everyone : Hi everybody- Melissa Mullins at Baylor University's aquatic research center in Waco, TX

Ramadha Piyadi Gamage to Everyone : Good (almost) afternoon everyone!

My name is Ramadha Piyadi Gamage and I work at Western Washington University.

14:00:00 From Paige Curtis to Everyone : Hello all! My name is Paige Curtis, I am helping to create a Women & Gender Minorities in STEM program at the EcoTarium in Worcester, Massachusetts.

Christine Anderson to All panelists : Hi, I'm Christine Anderson. I'm the Outreach Services Coordinator for the King County Library System in Washington State. I work with youth.

Ann Zimmerman, KC STEM Alliance to All panelists : Ann Zimmerman, Ecosystem Coordinator for KC STEM Alliance

Cyra, Airway Science for Kids (she/her) to All panelists : I'm Cyra Sadowl, education director for Airway Science for Kids in NE Portland, Oregon

Chloe ASC to All panelists : Hello Everyone! I am Chloe the Girls In STEM manager at the Arizona Science Center

Cheri Burch to Everyone : I'm from AAUW Tech Trek NM.

jacquelineDewar to Everyone : My name is Jackie Dewar from Loyola Marymount University in Los Angeles

Beth Unverzagt to All panelists : Hello. Beth Unverzagt, OregonASK (Oregon Girls Collaborative, Mott Network, and NAA Affiliate)

Timothy Fowler to All panelists : Hello! Timothy Fowler, New York State Network for Youth Success (afterschool network) and NY STEAM Girls Collaborative. So glad the video is off, I was freaking out trying to figure out if it was on or not LOL

Amber McConnell (she/her) to All panelists : Hello all! My name is Amber McConnell and I am from Eastern Washington University.

Peter Mecca to All panelists : Peter M. Mecca, University of Maryland Global Campus

Cheryl Juarez to Everyone : Cheryl Lani Juarez in Miami Florida
Kata Lucas (she/her) to Everyone : <https://ngcproject.org/>
Marisa Garcia (she/her) to Everyone : Please ask questions in the Q&A pod and use this chat to share insights and resources
Timothy Fowler to Everyone : Hello! Timothy Fowler, New York State Network for Youth Success (afterschool network) and NY STEAM Girls Collaborative. So glad the video is off, I was freaking out trying to figure out if it was on or not LOL. Also was only messaging panelist :/
Michael Conn to Everyone : Hi Everyone -- Michael Conn, Student Research Foundation, long time collaborator with NGCP through SRF as well as GSUSA prior.
Amber McConnell (she/her) to Everyone : Hello all! My name is Amber McConnell and I am from Eastern Washington University.
Jeff McConaughy to All panelists : Jeff McConaughy - New Mexico Out-of-School Time Network in Albuquerque.
Katherine to All panelists : Hi everyone, Katherine Weber from Kitchener, ON Canada was a past NGCP Lead contact for the state of PA
Sara Kobilka to Everyone : Your "speed dating" is always the best around ;)
Jaclyn Carmichael to Everyone : Good afternoon! Jaclyn Carmichael, STEM Program Manager in Chicago, IL and I am a certified SciGirls Trainer.
Chloe ASC to Everyone : Hello Everyone! I am Chloe the Girls In STEM manager at the Arizona Science Center
Brittany Greer to Everyone : Hi Everyone :) Brittany Greer, Executive Director, Rosie Riveters (www.RosieRiveters.com) non-profit STEM enrichment programs for girls age 4-14.
Cassie Byrd to Everyone : Hi Everyone! Cassie Byrd, recently Chief Learning Officer at Michigan Science Center and Director of Detroit's STEMinista Project; formerly Leadership Team California Girls Collaborative Project; currently educational consultant
Linda Kekelis to Everyone : Those networking opportunities can be so impactful. A relationship that Techbridge Girls started with UC Berkeley led to a deep and sustained relationship. Lots of great role models and field trips resulted.
Kata Lucas (she/her) to Everyone : <https://theconnectory.org/>
Jeff McConaughy to Everyone : Resending to include attendees: Jeff McConaughy - New Mexico Out-of-School Time Network in Albuquerque.
Kata Lucas (she/her) to Everyone : <https://www.fabfems.org/>
Emily Morgan to Everyone : Hello! Emily Morgan here from Cincinnati. I am an NSTA author, science educator, and board member of a local nonprofit for STEM education. New to the NGCP.
Gina Gillis to Everyone : Gina Gillis - I am the Corporate & Community Engagement Manager for SARSEF: Southern Arizona Research, Science and Engineering Foundation here in Tucson, AZ focusing on PreK-12th grade equitable STEM education.
Kata Lucas (she/her) to Everyone : <https://www.ifthenshecan.org/>
Laurie Laird to All panelists : Good afternoon! Laurie Laird, Asst Prof of Mechanical Engineering/Director of Corporate & Alumni Relations at Ohio Northern University in Ada, OH.
Cassie Byrd to Everyone : IF/THEN Rocks!
Denise Strickland to All panelists : Love IF/THEN!!!!
Jennifer Kolbauer to All panelists : Hello-Jennifer Kolbauer, Gender Equity Coordinator of USC K-12 STEM Center
Denise Strickland to All panelists : Denise Strickland, Exec Dir. for Design Connect Create, STEM nonprofit for middle and high school aged girls in Dallas, Austin and Houston.
Anne Elizabeth Gooding to Everyone : Anne Elizabeth Gooding | NASA Glenn Office of STEM Engagement | Cleveland, Ohio
Jessica Hay (she/her) to Everyone : @Cassie yes it does!
Carrie Rankin to All panelists : Carrie Rankin, Associate Director; Iowa Governor's STEM Advisory Council

Karen Peterson (she, her, hers) to Everyone : Welcome everyone! Thanks for joining us today!

Katherine to All panelists : Thank you for the warm welcome:-)

Iker to Everyone : Iker Madera - Library Program Associate w/ Denver Public Library's Community Technology Center.

Kata Lucas (she/her) to Everyone : Brenda Britsch links:

- Research article: www.jstemoutreach.org/article/18529-a-summary-of-effective-gender-equitable-teaching-practices-in-informal-stem-education-spaces
- SciGirls Strategies: www.scigirlsconnect.org/scigirls-strategies-engage-girls-stem/

Marisa Garcia (she/her) to Everyone : Please use the Q&A for questions throughout the presentation

Karen Peterson (she, her, hers) to Everyone : AND, you can keep collaborating here in the chat! :)

Marisa Garcia (she/her) to Everyone : Yes, Karen! :)

Melissa Mullins to Everyone : LOVE SCIGIRLS

Michael Smith (he/him) to Everyone : Good afternoon all!

Kata Lucas (she/her) to Everyone : <https://www.jstemoutreach.org/article/18529-a-summary-of-effective-gender-equitable-teaching-practices-in-informal-stem-education-spaces>

Abby McCurry to All panelists : Love SciGirls!! And hi!

Kata Lucas (she/her) to Everyone : Above is the link to the article Brenda is discussing.

Sara Kobilka to Everyone : So pumped to lead a SciGirls training on Friday with Nancy Coddington and Timothy Fowler for out of school folks in the State of New York. I'm especially interested the new ideas about STEM identity and challenging stereotypes.

Karen Peterson (she, her, hers) to Everyone : So exciting for New York folks! Glad you three are leading the training.

Kata Lucas (she/her) to Everyone : <http://www.scigirlsconnect.org/scigirls-strategies-engage-girls-stem/>

Abby McCurry to Everyone : Thank you for the links to the articles

From Cheryl Juarez to Everyone : That cycle of research to practice to research to... is so important!

Zahra Hazari to All panelists : Agreed!!!

Karen Peterson (she, her, hers) to Everyone : <https://milliongirlsmoonshot.org/>

Kata Lucas (she/her) to Everyone : Dr. Zahra Hazari's links:

- Project page: <https://engage.aps.org/stepup/home>
- Article: <https://aapt.scitacion.org/doi/full/10.1119/1.5055325>
- Research paper (2018): <https://www.compadre.org/per/items/detail.cfm?ID=14769>
- Research article (2020): https://onlinelibrary.wiley.com/doi/full/10.1002/tea.21644?casa_token=N5N8ni3Pf8wAAAAA%3AU13qNYYU0lg1s6zqfQgnYWKA_WqBslr8_wHQyBLyp6sTD_DdZbQQtXYWxgDCQOB822wEPXdUxuCPdU4

From Adrienne to Everyone : can someone define hegemonic, please?

Katherine to Everyone : Very interesting perspective! So very true!

Timothy Fowler to Everyone : From dictionary.com: Definition of hegemony

- 1: preponderant influence or authority over others : DOMINATION battled for hegemony in Asia
- 2: the social, cultural, ideological, or economic influence exerted by a dominant group

Karen Peterson (she, her, hers) to Everyone : Thank you Timothy!

Katherine to Everyone : I love the idea of disrupting the discipline! I have never thought of some of the work I've done in this way.

Adrienne to Everyone : Thank you @Timothy.

Kata Lucas (she/her) to Everyone : Dr. LaShawnda Lindsay's project page:

<https://www.wcwoonline.org/Research-Initiative/black-girls-and-stem-education-research-initiative>

From Michael Smith (he/him) to Everyone : Great insight, Dr. Hazari!
Marisa Garcia (she/her) to All panelists : KAREN: are you starting off the Q&A or should I?
Karen Peterson (she, her, hers) to Everyone : I'm happy to start
Karen Peterson (she, her, hers) to All panelists : oops
Karen Peterson (she, her, hers) to All panelists : I'm happy to start
Marisa Garcia (she/her) to All panelists : it's ok! Zoom chat is tricky! thanks
Marisa Garcia (she/her) to Everyone : Great questions coming in the Q&A! we will get to as many as we can after the prepped Q&A next
From Iker to Everyone : Yay for 3D printers Laser cutters, CNC routers and Cricuts for introducing tech!
Zahra Hazari to All panelists : "Her-STEM" Counternarratives and Counterstorytelling!
Brittany Greer to Everyone : Love it :)! Making a concrete connection to an inspiration.
Adrienne to Everyone : Any thoughts about the role of science fiction to explore alternative definitions of physics? physicists?
Adrienne to Everyone : Hands on and socially relevant! Awesome!
WSKG Public Media to Everyone : Love making it relevant and having them choose who to study. Very powerful. This is really cool.
Debbie Taylor to All panelists : Excellent idea.
Iker to Everyone : Sewing machines are also great tools to introduce machine fabrication and build confidence.
Michael Smith (he/him) to Everyone : It takes a village to educate a child (young girls) in STEM. The variety of programs in practice AND research in this area is amazing. All are important in their reach to young girls and supporting STEM identity development. Collectively sharing this information can inspire others in communities across the nation (and world) to benchmark and create similar programs.
Adrienne to Everyone : Agree @Iker. Long history with NASA for example of role of female seamstresses!
Peter Mecca to All panelists : Unfortunately, our students are not exposed to meaningful contexts for learning.
Denise Strickland to All panelists : These presentations are AMAZING!
Zahra Hazari to All panelists : We can't preprescribe it for them - they have to define for themselves
Peter Mecca to All panelists : I agree with Gabriela. We need to change the culture and the system.
Zahra Hazari to All panelists : Second Peter
LaShawnda Lindsay to Everyone : @Brittany thank you for the information
Cheryl Juarez to Everyone : There are so many more female role models now! That's really making a difference in the way teachers and parents see what girls can do!
Emily Morgan to Everyone : Choice is so important!
Marisa Garcia (she/her) to Everyone : voice and choice for youth, so key!!
Timothy Fowler to Everyone : That is great wisdom, LaShawnda: step back and let the girls make decisions
Brenda Britsch (she/her) to Everyone : Yes, so important!
Adrienne to Everyone : Flexibility and humility!
Sue Sontgerath (she/her/hers) to Everyone : Youth voice is so key to program development
Cyra, Airway Science for Kids (she/her) to All panelists : So often what they choose ends up being soooo much better than what I'd carefully planned
Iker to Everyone : Freedom to try things out, encouragement to "break stuff" and that it's okay, is so important.
Katherine to Everyone : Celebrate every time one female student has an "ahha" moment where they realize they never considered STEM as an option... it is very important to be flexible and parents are key to having the support outside of your influence!

Peter Mecca to All panelists : Great points, LaShawnda. A curriculum is a guide, not a script that must be implemented in a specific manner.

Michael Smith (he/him) to Everyone : Yay!!!! 20 Years! So exciting and looking forward to the celebration of Girls in STEM to come!

Karen Peterson (she, her, hers) to Everyone : Thanks, Dr. Mike - definitely a time for a celebration!

Katherine to Everyone : Wow! Let's hope that COVID restrictions allow for a BIG celebration!

Sara Kobilka to Everyone : Yeah, trying to do all the things right now which means I changed a diaper and missed part of this session. It's definitely a challenge to balance if you can't leave home for work.

Brittany Greer to Everyone : Having those conversations EARLY about those structures is so critical.

Katherine to Everyone : Such a great point. I love how Dr. Hazari has described the systemic perspective! There are so many facets within the structures and systems!

Adrienne to Everyone : Good luck with your dissertation defense! Thank you all for your presentations.

Karen Peterson (she, her, hers) to Everyone : We are recording this fabulous conversation and will share with all who are registered AND will post on the NGCP event site.

Michelle Hall to All panelists : Same reason I am an engineer! I also wanted to not depend on a husband!

Ramadha Piyadi Gamage to All panelists : I've got to go. I have to teach at 1pm. This was a great webinar. First time attending an event of NCGP and I will for sure attend more in the future. Thanks for organizing. This is really GREAT, especially for a newcomer like me.

Cheryl Juarez to Everyone : Interesting:

<https://www.unwomen.org/en/news/stories/2021/2/compilation-women-in-science-leading-during-the-pandemic>

Gina Gillis to Everyone : Thank you for sharing your research and perspectives. Really insightful webinar!

Everyone : Having taught Latino students, having an after school program was key to peak their interest. My biggest hurdle was not the students but convincing their parents why my technology education class had value for the future of their daughters

Karen Peterson (she, her, hers) to Everyone : Thanks for attending today!

Cheryl Juarez to Everyone : Best zoom in quite awhile !!! Muchas gracias!

Iker to Everyone : Thank you very much for putting this event together and thank you to the panelists! Good luck with thesis defenses and finding funding!

Lydia to All panelists : Thanks so much!

Tara Cox to All panelists : This was incredible! Thank you all.

Kata Lucas (she/her) to All panelists : Survey:

<https://ngc2018.typeform.com/to/H71dqBTf>

Sandra Daza to Everyone : Thank you for sharing. Muy interesante!!

Peter Mecca to All panelists : Thank you everyone!

Timothy Fowler to Everyone : Thank you all. Informative and uplifting!

Katherine to Everyone : This was great thank you!

Michael Smith (he/him) to Everyone : Great panel! Thanks to all!

Sara Kobilka to Everyone : Thanks as always!

Brenda Britsch (she/her) to Everyone : Thank you all!

Emily Morgan to Everyone : Thank you!

Amy Eagle to All panelists : Great resources - thank you!

Brittany Greer to Everyone : Thank you!

Carrie Rankin to All panelists : Thank you!

Heather D. to All panelists : thank you. great info.

Chloe ASC to Everyone : Thank you!

Katey Shirey (she/her/hers) to All panelists : Thank you!!

Jennifer Kolbauer to All panelists : Thank you!!

Anne Elizabeth Gooding to Everyone : Thank you!
WSKG Public Media to Everyone : Thank you for this great discussion
Tracy Salas to All panelists : Thank you