



NGCP Webinar Chat Transcript

Understanding STEM Stereotypes: A Look at the Newest Research and Strategies

Suzanne DePoe: Hello Everyone! Glad to be here to listen to this great topic.

Heather Floyd: Hi from San Antonio Children's Museum dba The DoSeum!

Brenda Britsch: Learn more about NGCP: <https://ngcproject.org/>

Monica McGill-Inst for Adv Comp Ed (she/her): Hi all, glad to be here, Monica McGill from Institute for Advancing Computing Education.

Maggie Knies: Hi! Maggie Knies from the Discovery Science Center & planetarium in CT

Nicole Rosen (she/her): Hi everyone - Nick from the Ingenuity Project in Baltimore, MD

Brenda Britsch: Join us for upcoming webinars and events: <https://ngcproject.org/events-announcements>

Brenda Britsch: Subscribe to NGCP monthly e-newsletter: <http://ow.ly/Zuds30qwpOK>

Issy Worrall (Science World, Vancouver CA): Hi, Issy Worrall from Science World in Vancouver, Canada (you might recognize us as the giant FIFA ball at the moment...)

Faith: Good afternoon! Faith Hudnall from The Ingenuity Project in Baltimore MD

Takara McLaughlin, National Children's Museum: Hello, hello! Takara McLaughlin from National Children's Museum in Washington, DC

Amanda Sullivan: Hi everyone! Thank you all for being here today

Veronica Garcia-Luis (Exploratorium/she/ella): Hello All - Veronica from the Exploratorium in SF, CA

Eileen Gelblat: Eileen Gelblat in IL from Vision 1948 /AAUW

Amanda Sullivan: If you're just joining, feel free to introduce yourself in the chat and let us know what brought you to this webinar today!

Nancy Scales-Coddington: Hi! This is Nancy Coddington doing STEM media creation and consulting. I am located in Ithaca NY. So glad to be here.

Kathy Thomas: Hi Nancy!

Amanda Sullivan: Nancy! Nice to see you here 😊

Nancy Scales-Coddington: Hi Kat & Amanda! Great to see you! ❤️

Laura Thor: HI, Laura Thor with Shared Science in Long Beach, CA

Nicole Rosen (she/her): Has anyone use GoldieBlox with their students or kids? positive change to get girls involved in engineering -

<https://goldieblox.com/?srsltid=AfmBOoqTcmTxwDC9sX7NeH71RGIm6fZnca-vlc0B9vJCwC1a0e685Fnf>

Amanda Sullivan: I'm curious to hear if anyone has used GoldieBlox or similar sets too!

adrienne: What definition does Dr. Master use for the term "gender"?

Amanda Sullivan: Great question, we'll ask her to clarify the definition during the Q&A

Amanda Sullivan: If anyone else has questions for Dr. Master, please share them in the chat at any time! We'll ask as many as we can during the audience Q&A

adrienne: Where does "imposter syndrome" fit in this paradigm?

Amanda Sullivan: great question

adrienne: Are there also boys that think STEM isn't for them? Can the strategies applied to girls and STEM identity encourage boys also?

Amanda Sullivan: Great question! At NGCP we always say the resources and approaches developed to encourage girls in STEM are also helpful for all youth, including boys. But we'll add this to the list of questions for Allison and see what she can share.

adrienne: What is the role of family in continuing stereotypes/challenging stereotypes?

Amanda Sullivan: This is a really important question! We will ask this as well.

Nicole Rosen (she/her): How does this compare to other countries and gender gaps in STEM fields?

Amanda Sullivan: Great question, Nicole! I'll see if Allison has anything to share about this during the Q&A

adrienne: Peer voices are important! The videos remind me of the program SciGirls

Amanda Sullivan: Yes!

Amanda Sullivan: We will share all of these slides with you with our post-webinar follow up so you'll have access to these QR codes

Nicole Rosen (she/her): is that for middle or high school?

Irene Chan: @Nicole Rosen (she/her), SciGirls was a PBS show geared towards older elementary/middle school: <https://pbskids.org/videos/scigirls>

adrienne: And there are additional resources on SciGirls at PBS Learning Media

adrienne: The Wild Kratts program about animals features a female character as a computer scientist - are TV programs like that helpful, or is in-person, hands-on experience more impactful?

Nancy Scales-Coddington: YES! Representation matters.

adrienne: Building on that idea about environment, perhaps students can create the artwork for the classroom as well?

Amanda Sullivan: Love that idea!

Brenda Britsch: Learn more about IACE: <https://iacomputinged.org/>

Brenda Britsch: Resources: <https://www.uh.edu/education/iamlab/resources/>

adrienne: Are girls-only spaces considered beneficial regarding the development of STEM identity?

Amanda Sullivan: great question!

adrienne: Is incorporating arts and humanities (STEAM) still viewed as a viable strategy?

Takara McLaughlin, National Children's Museum: I feel like absolutely! at the children's museum, we hold STEAM as our framework and the blend of concepts definitely bring all genders at an even rate to activities we facilitate

Brenda Britsch: Here's a report from UNESCO that might be interesting: [Changing the equation: securing STEM futures for women - UNESCO Digital Library](#)

adrienne: Thank you for answering my questions!

adrienne: Who was the TEDtalk presenter referenced in one of the slides?

Brenda Britsch: Chimamanda Ngozi Adichie: The danger of a single story | TED Talk

Brenda Britsch: NGCP resources related to stereotypes:

- <https://ngcproject.org/resources/5-ways-counter-stem-stereotypes-children-and-youth>
- <https://ngcproject.org/resources/ngcp-podcast-inspiring-curiosity-early-childhood-break-gender-stereotypes>
- <https://ngcproject.org/resources/picture-books-break-stereotypes-stem-and-beyond>

Brenda Britsch: Thank you Allison! So helpful & interesting.

Brenda Britsch: If you enjoyed this webinar, support the work of the National Girls Collaborative: <https://ngcproject.app.neoncrm.com/forms/donation>

P Bennett: Thank you!!!

adrienne: Thank you - a really thoughtful presentation and conversation!

Brenda Britsch: Please complete our post-webinar survey: <https://forms.office.com/Pages/ResponsePage.aspx?id=tP9DY0cGHUGNH9c28obzsHmXn1LOnhxNtf7SYAFQjFZUNzUxV1RQRk4yMzFMSjJSVFc5RzdQRERMMC4u>

Suzanne DePoe: Great information and great links, thank you!

Nancy Scales-Coddington: Thank you!