



**NGCP Webinar Chat Transcript:
Girls in STEM: A (Data Based) Tale of Confidence & Satisfaction**
February 21st, 2023

Brenda Britsch: Welcome everyone! Thank you for joining us!

Brenda Britsch: Learn more about NGCP activities:

<https://ngcproject.org/>

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

<https://ngcproject.org/about/initiatives/youth-advisory-board>

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

<https://ngcproject.org/events-announcements>

Brenda Britsch: <http://ow.ly/Zuds30qwpOK>

Ernanda White: Greetings community partners 😊 Ernanda White, Black Girls Drone Inc. looking to learn, network engagem and collab with girl and women empowerment and advocacy for STEAM opportunities!

Nancy Scales-Coddington: Welcome Ernanda - we are so glad you are here.

Marilyn Marsilio: Nice to be here.

Brenda Britsch: Learn about Gender Scan: <https://www.genderscan.org/>

Adrienne: Is it self-confidence generally that is studied or specifically as regards STEM subjects?

Claudine Schmuck: What is analyzed here is perception of digital jobs and the impact that self-confidence has on these results

Claudine Schmuck: https://www.genderscan.org/Docs/Teenagers_developed_VF.pdf

Margy LaFreniere (she/her): Did you collect data on the teens that identified as non-binary?

Claudine Schmuck: Yes, we did, but the number of non-binary respondents to enable statistical exploitation.

Margy LaFreniere (she/her): Thank you!

Claudine Schmuck: Correction, the number of non-binary respondents is too low to enable statistical exploitation.

Kimberly Godfrey: Wow!

Adrienne: Would it help to look at jobs that don't require university degrees (but perhaps some sort of training/certification)?

Claudine Schmuck: Yes indeed. It is a complementary approach which is proving to be very effective in some countries. However in this survey we had partnerships with engineering schools, they represent the majority of respondents for women and men. So here we reflect perceptions of students with strong academic background.

Brenda Britsch: Check out this article Gender Scan published in the Society of Women Engineers Magazine comparing results of the US and Europe in the student survey: - <https://magazine.swe.org/gender-balance/>

Adrienne: The Girl Scouts has a good example of a multi-year program in their Space Science badges, a collaboration with NASA and other partners.

Kimberly Godfrey: Women In Natural Sciences Program, Located in Philadelphia's Academy of Natural Sciences of Drexel University, is embarking on a 5 year longitudinal study to gather information about the impact of our programs after students graduate and go on to their careers. We look forward to learning about how programs like WINS encourage girls to pursue and remain in STEM as compared to those who did not participate in these programs.

Brenda Britsch: It is great to hear about these projects - thank you for sharing, Adrienne and Kimberly!

Shawn Reeves: Waldo

Adrienne: Waldo

Brenda Britsch: Yes - Waldo!

Shawn Reeves: Ou est Charlie = Where's Waldo

Christine Olsen (She/Her) - Science World BC to Everyone: Crash Test Dummy

Adrienne: Interestingly, on the Artemis I mission, NASA included robots with sensors to study the effect of radiation on women with and without protective vests

Adrienne: NGCP has had some great webinars about the value of mentorship as well.

Adrienne: Vitoria's comment suggests including the arts and humanities may play an important role in encouraging girls in STEM

Shawn Reeves: Mostafa, T. (2019), "Why don't more girls choose to pursue a science career?", PISA in Focus, No. 93, OECD Publishing, Paris, <https://doi.org/10.1787/02bd2b68-en>.

Brenda Britsch: Thank you for that resource, Shawn!

Shawn Reeves: PISA study I just quoted says yes to Adrienne, having broader achievements pre-college, females choose studies more interesting than STEM

Adrienne: The Smithsonian's National Air and Space Museum is a great resource for resources on women in STEM

Tracy Drinkwater: How about more Math Museums throughout the world?

Adrienne: The Geena Davis Institute for Gender in Media is a great resource as well

Nancy Scales-Coddington: Find great information on our NGCP Twitter:

<https://twitter.com/ngcproject>

Brenda Britsch: Gender Scan on Twitter: @genderscan @claudineschmuck @acerbivoria

Nancy Scales-Coddington: NGCP Facebook: <https://www.facebook.com/ngcproject>

Nancy Scales-Coddington: NGCP Instagram: <https://www.instagram.com/ngcproject>

Brenda Britsch: Yes to Geena Davis, Adrienne! Here's the link: <https://seejane.org>

Brenda Britsch: Here is folder with infographics on results of the last student survey – good to share on social media! https://drive.google.com/drive/folders/116-Ttytziqx2_OHb8jwaqOUvRuHTo3cB?usp=share_link

Adrienne: For those interested in connecting arts with STEM, a good resource is the Kennedy Center for the Performing Arts, specifically on Arts Integration.

Brenda Britsch: Here is folder with visuals on results of the last teenage survey – good to share on social media!

https://drive.google.com/drive/folders/1dkKpILrIWigeYLOIDMNAmC8L4P3dgygs?usp=share_link

Brenda Britsch: Here's a link to stay in touch with Gender Scan:

https://docs.google.com/forms/d/e/1FAIpQLSdHVavlbffcUdOyTpMeM6zGksnyLq0mwZmiMdobZSU6ajM3tA/viewform?usp=sf_link

Brenda Britsch: Check out these additional resources compiled by Jennifer:

- UN Commission on the Status of Women 67th Session on Innovation and Technical Change <https://www.unwomen.org/en/csw/csw67-2023>
- Generation Equality Technology and Innovation Action Coalition <https://techforgenerationequality.org>
- UNESCO Report on Girls and Women in STEM Education <https://unesdoc.unesco.org/ark:/48223/pf0000253479>
- UNESCO Women in Science= <https://uis.unesco.org/en/topic/women-science>

Adrienne: What about the role of access to women to capital to build businesses related to STEM/ICT?

Adrienne: Are these suggested approaches and interventions connected with the UN's SDG's?

Adrienne: Thank you presenters and hosts and participants!

Brenda Britsch: More resources from Jennifer:

- UN Global Digital Compact <https://www.un.org/techenvoy/global-digital-compact>
- Equals in Tech Global Partnership <https://www.equalsintech.org>

Brenda Britsch: <https://ngcproject.app.neoncrm.com/np/clients/ngcproject/event.jsp?event=717>

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

Brenda Britsch: Please complete the post-webinar survey:
<https://forms.office.com/Pages/ResponsePage.aspx?id=tP9DY0cGHUGNH9c28obzsHmXn1LOnhxNtf7SYAFQjFZUQUgxNzJVSkNQOEFWR1ZYOVVKMk85NikxOC4u>

Brenda Britsch: Thank you to our speakers and to everyone for joining us!