

March 25, 2020 STEM Effect Webinar Discussion

**How do the examples from the priority areas resonate for you?
Share other ideas or examples for inclusion.**

- **Build knowledge about shared criteria across cultural organizations for common self-assessments and evaluation frameworks for their STEM programs which will bolster organizational capacity for undertaking long-term impact research and the compilation of data across organizations.**
- **Build knowledge about what kinds of supportive relationships help girls continue on STEM trajectories**
- **Build knowledge about how to design programs that support girls from non-dominant racial/ethnic groups to stay involved in STEM programs. • Build knowledge about the unique program elements that cultural organizations can offer and that inspire girls to persist on STEM career trajectories**
- **Build knowledge about establishing relationships across cultural and educational institutions to help girls persist in STEM, especially through critical junctures research, which is key to supporting girls on long-term trajectories.**

Bonnie Oppenheimer: I have a faculty member looking for a new research area. Most of the suggested research might be doable here.

Wendy Martin 2: Bonnie, how would you work with that faculty member?

Bonnie Oppenheimer: I can suggest the research directions based on your ideas.

Melissa Frey: The priority regarding how to design programs that support girls from non-dominant groups resonated with me. Also, evaluation frameworks.

Shay Saleem: Same as @Melissa

Hillary Parks: I am at a science center; we want girls to participate in our volunteer programs and classes and to help guide them to more STEM resources. We struggle with attracting and retaining girls from non-dominant racial and ethnic backgrounds though.

Lou Ann Lathrop: Math as much as possible take in high school

Sarah Clement: I agree with @melissa frey too!

cdaniel@gsnorcal.org: [Related](#) to establishing relationships across orgs - I would like to understand if there is multiplier effect of girls participating in multiple STEM programs with different doses and focus.

Deyanira Salazar: Lou Ann, I tutor students in math, and I love seeing them succeed in this area, especially when they think that they can't do math.

Lou Ann Lathrop: Data shows you have to recruit girls by 6th grade,....or at least by high school

Caroline Appleyard: Definitely supporting high school age girls with paid experiences increases likelihood of them being able to take advantage of these opportunities versus other part-time jobs.

Agnes: Support and encouragement comes from all walks of life. Community Centers- churches.

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Susan Wheeler: Show the girls the relevance of what they are learning/could be doing with STEM. Help them see how STEM can solve a Big Harry Problem in their own lives.

Lou Ann Lathrop: workforce is now recruiting high school level

Sarah Taylor: I agree that the socio-economic aspect is really important. You might not have time to devote to volunteer or 'fun' activities if you have to work after school

[cdaniel@gsnorcal.org:Girl](mailto:cdaniel@gsnorcal.org) Scouts provides a lot of entry opportunities to get girls interested in and experience self efficacy in STEM but it is hard for us to see longer term impact of this as girls move into more intensive programs.

Hillary Parks:@Caroline - Yes! That is definitely an area where funders would be a huge help.

Jacqueline Johnson: look at SWE for women mentors

Shane N Woods: We have learned that girls are interested in how STEM will make a difference in their immediate world as well as the larger community (city, state, and beyond.) They like to see mentors that look like them and have similar stories. If not, they do not create a connection that they can do STEM.

Michelle Bunn: In San Diego, California, we are able to share and collaborate with others in the San Diego STEM Ecosystem. There are 6 working groups: Business Partnerships, Early Childhood STEM, Environmental Education, Expanding Access, Innovation in K-12, and Women in STEM.

Kameco de los Santos: We would love to have girls to volunteer in our libraries as we establish more STEM programming and digital fabrication equipment. It's surprising to girls that impossible is just an opinion and jumping into a male dominating field working beside them with confidence.