



**Discussion Section for the NGCP webinar:
Participation in Structured and Unstructured OST STEM
Activities**

August 18, 2020

ACTIONS

What actions can you take as a result of what you learned/heard in this webinar?

Rosa Aristy: Continue to brainstorm as to what is the best way to increase awareness of our programs so as to attract the minority students we are trying to serve

Elizabeth Waters: Review recruiting for fall programs for URM high school students. What and how do we promote programs?

Macey Shambery: Sharing this with my supervisor. Hopefully this research will help us re-evaluate our program models to ideally increase the number of female-identifying students impacted by our programming.

Tricia Jones: Find ways to apply everything learned to create virtual STEM program and draw more teen girls into STEM

Brooke Meyer: Match some of the trends from this study with our data for our community to look for patterns and areas of improvement, ways to reach out to different groups

Daniel Hatcher: Many of the educators we work with are looking at more nature-based and outdoor education right now. These findings seem to support diversifying what STEAM looks. I.E. it's easy to prioritize nature activities but there might be barriers to engaging all kids in that type of enrichment.

Rachael: We need to find ways to reach more students with the opportunities we have to offer.

Adrienne Provenzano: Review list of activities and compare with existing programs

Carolyn Slivinski: Be more intentional about promoting activities to specific underserved groups.

Elizabeth Waters: Evaluate time commitment and themes for Summer programs to consider interests and needs of target groups (especially females)

Sue Huffman: Cross reference the types of programs we offer with what activities our target demographic are most likely to engage in. When planning future programs, try to incorporate those activities. Also definitely work on marketing our programs to keep them from being unknown opportunities!

Adrienne Provenzano: connect with NGSS and other standards

Matthew Cross: We're going to take away that we are doing well with offering STEAM programs to our target population. We must keep it up though.

Rachael: I want to offer more natural makerspace activities to minority students.

Eileen: looks like we need to focus more on alerting students to opportunities

Trish Marquez: Ways to incorporate introductions of those activities less likely participated in with those most likely participated in



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QUESTIONS

What questions still need to be answered, but require additional research?

Adrienne Provenzano: Involvement in OSTs currently. As the study was reporting from College Students, it may not accurately reflect what is going on now especially at younger grade levels.

Rosa Aristy: What are good ways to inform students about OST STEM programs?

dale mcreedy: As I begin to explore the ways in which pathways to STEM that do not require college... CTE pathways, choosing a trade, etc.... I wonder what this sort of data from folks who do not choose college but do end up in stem related technical roles might look like.

Adrienne Provenzano: Ways to increase girls' interest in digital tech, access.

Marisa Garcia: what outreach is most effective knowing that "unknown" (not knowing about opportunities) was the largest category?

Rosa Aristy: How do to educate our community to understand the importance of STEM? I am finding that parents in the Hispanic community we serve still don't grasp the importance of digital literacy.

Adrienne Provenzano: Family/community friendly community, grass roots creation with all stakeholders involved

Tricia Jones: How can we draw girls into digital tech in a positive way and introduce them to the positive sides of STEM

Macey Shambery: What role does socioeconomic status play in the findings?

Shane Woods: How to combat STEM fatigue by students especially girls as it is the hot topic in education?

Rachael: I want to know how economic status affects participation. I think asking these questions at the university level might cut off a lot of studnets who don't even make it that far due to economic challenges.

Eileen: how will this change with our new "virtual world"

Macey Shambery: How to retain female students in STEM OST activities

Katherine Weber: How has online affected STEM interest?

Katherine Weber: Eileen... good question!

Elizabeth Waters: Family vs. peer influence on choosing STEM related activities in MS and HS

Carolyn Slivinski: what one thing would help move the "STEM activities were unknown" needle?

Adrienne Provenzano: Internal and external sterotyping

Rosa Aristy: Is there Zoom fatigue in our students?

Daniel Hatcher: Best practices for marketing strategies. New partners we should be engaging.

Macey Shambery: How often to reach out to students