

## March 25, 2020 STEM Effect Webinar Discussion

### What partners might you need to do this work?

Lynda Kennedy: University partners looking for research opportunities as Bonnie mentions may be good

Pam Hillestad: There needs to be a strong partnership with girls' families in order for long term participation to happen.

Alyce Stiles: including employer voices and industry ambassadors of different ages and genders to connect with students

Linda Kekelis: It's important to include parents and caregivers as partners. They are instrumental in girls' engagement in STEM.

John Cronin: women business leaders

Suzi Taylor, Montana: Small organizations could use help from researchers/evaluators - rarely do they have a person on staff

Susan Wheeler: Need partnerships between industry and CBOs, Educators, families, etc.

Alicia Santiago: Pam, and Linda, that is a great point!

Lou Ann Lathrop: Please reach out to SWE - Society of Women Engineer - Local Chapter all over the county

Linda Kekelis: Also important to include counselors who can promote STEM opportunities and turn girls on and not off to STEM

Kameco de los Santos: Public Libraries

Shay Saleem: I agree with everyone's thoughts here...

Kameco de los Santos: Workforce agencies

Nancy Coddington: Public Media, PBS, NPR affiliates

Lou Ann Lathrop: Local Manufacturing Companies

Alyce Stiles: a potential opportunity for community organizations to participate (Working Cities Challenge as an example for supporting opportunity youth in specific communities; Junior Achievement, Boys & Girls clubs/organizations etc.)

Wendy Martin 2: Yes, families are key. Look at our suggested research for priority area 3

Lynda Kennedy: caregivers are key for keeping in touch with and supporting minors over time

Timothy Fowler: women/minority owned businesses (MWBE)

Susan Wheeler: Mine :) Electric Utility

Rink Somerday: Out of the box - Miniature Railroad Club with connections to the BSNE railroad. There are only 12 female train engineers in the US

Sara Kobilka (and child assistants) 2: I'm working for the Portal to the Public program and we play a role in training STEM-based professionals to successfully engage the public.

Irene F Goodman: Women in industry or academia who talk with girls about what they do and what it takes to get there. Career education is so important and missing in many schools.

Alyce Stiles: Industry association groups; NAM MI, targeted employer associations and groups locally, state, nationally

## March 25, 2020 STEM Effect Webinar Discussion

Deyanira Salazar: I carry out my STEM programs at my local library. Very helpful for getting students interested!

Lou Ann Lathrop: I worked had summer internships every year after high school

Katie: local organizations/maker spaces

Lindsay Ellsworth: I volunteer as a mentor for a student in my local school district. She gives me great ideas, and illustrates what's wrong with public library programs. She is a wonderful resource to me.

Timothy Fowler: Funders (corporate, foundation, etc.)

Melissa Frey: Collaboration between STEM orgs and educational org.

Windy Cardarelli: NY STEM Hub, MOST -Museum of Science and Technology - Syracuse, New York

Melissa Frey: mentors from large STEM based orgs

Bonnie Oppenheimer: We've partnered with Association for Women in Mathematics and the Tensor Foundation in the past..

Kristen Koeblin: Organizations that are already serving girls, like Girls Who Code and Black Girls Code

Maggie: At my last place of business, I was the Girls in STEM Coordinator and we actually got a ton of support from Bank of America and Wells Fargo. Those organizations are itching to help out with this directive of getting more girls interested in STEM.

Linda Kekelis: We also need boys in this work. They can help support girls in their work groups in school, avoid behaviors that put girls down, and serve as allies throughout time and spaces

Shay Saleem: diversifying support from industry leaders are great

Sara Kobilka (and child assistants) 2: What role do the social sciences play in understanding motivations for partnerships

John Cronin: see Chemical & Engineering News, Mar 29, 2020 Trailblazers, Women Entrepreneurs in Chemistry, business owners

JGemell: We have developed a relationship with the local Women in Engineering group to act as role models in several of our STEM-focused programs. It also provides value for the women that participate in passing on their knowledge to the next generation and provides a sense of purpose to the work that they're doing

Shay Saleem: don't forget the students/girls themselves are partners

Dale McCreedy: I see the work our TN Girls Collaborative - fairly new out of the gate in a new iteration - would be perfect for this. We - a children's museum with a strong connection to the local university and professional trade associations

Susan Wheeler: Center for Energy Workforce Development (CEWD) has a focus on getting more women into the industry.

Bonnie Anderson: Love partnering with other agencies. It is so helpful when they can match their presenter with our audience. For example, is the presenter good with kids or with adults?

Linda Hargrove: Professional organizations like Society of Women Engineers and National Society of Black Engineers

## March 25, 2020 STEM Effect Webinar Discussion

Caroline Appleyard: Encourage older school girls or undergraduates to carry out outreach experiences in the age groups below them - we see huge increase in enthusiasm in not only the population impacted but the girls doing the outreach

Susan Wheeler: American Association of University Women (AAUW) has summer camps (Tech Trek) that reach over 1,000 girls each year

Lou Ann Lathrop: Look for part time jobs at manufacturing/engineering jobs targeting students that are headed for engineering school

Dale McCreedy: We are trying hard to find rural access points for children and families

Windy Cardarelli: FIRST Lego League - great co-ed ops for elementary and middle school. Great lessons working together as a team to collaborate and innovate

Michelle Bunn: San Diego STEM Ecosystem brings together various stakeholders and provides more opportunities to collaborate.

Lou Ann Lathrop: First Robotics !!!!

Melissa Frey: Companies need to provide paid internships to help girls gain skills but still allow them to help themselves and their families.

Agnes: It is so important that the girls see some folk who look like them. Maybe have snippets Interview with people of all ethnic groups Agnes

Caroline Appleyard: American Physiological Society PhUn week outreach events in past