Recording: http://connectpro35337274.adobeconnect.com/p167xsthsjxg/

Erin Hogeboom: Happy Computer Science Education Week, and thank you for joining us today! Please introduce yourself in the chat and participate in our poll.

Mya Stark: Mya Stark from LA Makerspace

Tracey Welson-Rossman: hi, Tracey here!

Ashley Miller: Hi, I'm Ashley from THEMUSEUM in Kitchener, Ontario.

Bridget Greenberg: Hi everyone!

Kathy Haynie: Hi Everyone - I'm Kathy Haynie from Haynie Research and part of the CS OPEN team.

Michael Roche: Mike Roche from Monmouth County, NJ

Angie Williams: Arizona

Rachelle DeCoste: Hi! Math faculty at Wheaton College (MA) and Director of MAA Tensor program for women and girls

Juliet: Hi! Juliet Tiffany-Morales from Google - Mountain View.

Laura Jones GEMS: Hi everyone.

Ginger Fitzhugh: Hi, all. I'm Ginger Fitzhugh from Education Development Center.

Angie Williams: I am from the University of Phoenix leading Multicultural Affairs & Diversity

Tracey Welson-Rossman: Tracey Welson-Rossman from TechGirlz, I am out of Philly, but our organization is national

Angie Williams: Philly is my hometown Tracey

Becky Stephenson: Hi there. I'm Becky Stephenson from LA Makerspace

Sylvia Aguinaga: Hello! Sylvia Aguiñaga from DIY Girls - Los Angeles.

Tracey Welson-Rossman: Rachelle DeCoste - you have one of our TechGirlz - Angel Bird

Rebecca Zarch: Rebecca Zarch from SageFox Consulting Group

Rachelle DeCoste: Yes, Tracey - I am going to connect with her!

Tracey Welson-Rossman: Hoping Wheaton can run one of our programs. :)

Rachelle DeCoste: me too!

Pauline Lake - Mobile Apps for Hartford: Hi everyone, Pauline Lake from Mobile Apps for Hartford in Connecticut (cohort I)

Sylvia Martinez: Hi - Sylvia Martinez here in Los Angeles

Deb Gaff: Deb Gaff South Central Indiana

Adrienne: Hello, Adrienne in Indianapolis

Adrienne: Is any of this data collection being done in connection with research?

Erin Hogeboom: Feel free to type questions for Kathy here.

Sylvia Martinez: where are these tools?

Sylvia Martinez: can you provide a link?

Adrienne: Yes. Thank you!

Erin Hogeboom: More information on CS OPEN: http://ngcproject.org/cs-outreach-program-evaluation-network-cs-open

carl Pennypacker: Hi

Sylvia Martinez: thanks - but the surveys are not linked from this page.

Kathy Haynie: Cohort 2 participants began their work within the CS OPEN network in spring 2017.

Erin Hogeboom: Hi Sylvia, the surveys themselves are not contained there (yet). We are still working on the ways in which we will share surveys on the site.

Erin Hogeboom: But if the work done by one of our presenting programs looks similar to yours, they may be open to sharing their contact information or grabbing yours so that you can see their surveys.

Erin Hogeboom: If you have questions while Sylvia is speaking, please feel free to type that here.

Kathy Haynie: Does anyone have any suggestions about recruitment and retention of girls?

Adrienne: were participants interested in coding to begin with?

Kathy Haynie: Mentorship, encouragement, belongingness are so critical for girls' participation.

carl Pennypacker: What kind of coding projects did the girls undertake? For example, a number of projects I am aware of finds great engagement when girls coded things that were relevant to their lives, somehow...

Kathy Haynie: Carl, that sounds very consistent with the research base, e.g., NCWIT.

Sylvia Aguinaga: See more at tinyurl.com/diygirlscreativecoding

Sylvia Aguinaga: This link includes everything we used in our program.

Erin Hogeboom: Please type any questions for Tracey here.

Adrienne: What do you suggest for girls who lack parental support? Teacher mentors?

Laura Jones GEMS: NCWIT has a nice little handout and GEMS has some info too

Adrienne: Do your programs also provide opportunities for parental education and involvement?

Adrienne: That's great!

Sylvia Martinez: @Sylvia thanks for that link. looks terrific

Mya Stark: [waves hello]

Erin Hogeboom: Please feel free to type any questions or comments for Becky here.

Sylvia Aguinaga: @Sylvia Martinez - feel free to email with any questions. :) glad it looks helpful.

Tracey Welson-Rossman: If anyone is interested in using TechGirlz TechShopzgo to http://www.techgirlz.org/techshopz-in-a-box/

Adrienne: Did all the libraries already have a maker space?

Michael Roche: Can you follow up with email showing a link where this session is recorded? Lost connectivity more than six times already :-(

Mya Stark: No, 0 of them did.

Mya Stark: "A Makerspace is anywhere Makers gather to share tools and information."

Erin Hogeboom: I'm sorry for that trouble, Carl! A link of the recording will be saved here: http://ngcproject.org/the-computer-science-outreach-program-evaluation-network-exemplary-practices-and-lessons-learned.

Michael Roche: TY!

Erin Hogeboom: From carl Pennypacker: Hello Becky! Did you find good flow-through of your content to the Library staff?

Erin Hogeboom: From Becky Stephenson: Yes, we're working directly with the library to get to the librarians. Fingers crossed for a good response rate :)

Toni Robinson: Digital Girl Inc represented now.

Laura Jones GEMS: Really planning evaluations and working with the google team and Kathy made us a much more effective group.

Michael Roche: Kathy - invitation to visit our school next time you might be in Monmouth County. Share emails later.

Kathy Haynie: Thank you Laura :)

Erin Hogeboom: Carl Pennypacker: Hello Erin, I apologize for being new to this community (although we had a great ITEST grant a while ago) Is there one web site that contains resources, activities, and knowledge from the community? I have some new folks wanting to start, and we would love to benefit by your knowledge and wisdom.

Kathy Haynie: Michael - would love to. Email me: kchaynie@stanfordalumni.org

Ashley Miller: Hi, sorry if I missed it, but did anyone from Cohort 2 use observational data? if not does anyone from Cohort 1 have any insights/resources to share about that type of evaluation?

Erin Hogeboom:http://ngcproject.org/the-computer-science-outreach-program-evaluation-network-exemplary-practices-and-lessons-learned

Tracey Welson-Rossman: TechGirlz did not use observational

Pauline Lake - Mobile Apps for Hartford: With MAH, we learned that none of the girls who participated had done coding outside of school (i.e. outside of doing work for school). It's important to have programs that show them the relevance of CS and coding outside of the classroom - we did mobile app development to help the community

Kathy Haynie: Ashley, I would invite you to go to the CS OPEN site and browse through the Cohort 1 report. There were a number of projects, including GEMS (Laura Jones) that used a great deal of observation. Some of the projects have observational protocols you might borrow and adapt. Email me if you want more information.

Adrienne: Is there anyway to track STEM interest as participants enter high school and college?

Ashley Miller: Thanks Kathy

Pauline Lake - Mobile Apps for Hartford: MAH used observational data from mentors as well as exit slips

Tracey Welson-Rossman: Adrienne - that is the $50,000 question. We are trying to work on this, but it is hard

Kathy Haynie: Hi Pauline Lake - can I share your final CS OPEN report with Ashley Miller?

Pauline Lake - Mobile Apps for Hartford: Sure!

Mya Stark: Ashley we will be using observational data

Mya Stark: Would you like to see our protocol?

Adrienne: Thank you. Are there ways to access these surveys?

Mya Stark: Yup, anyone who would like them please email me at mya@lamakerspace.org :)

Ashley Miller: Thanks so much. I'll get in touch by email.

Erin Hogeboom:http://ngcproject.org/2017-computer-science-education-week-ngcp-schedule-of-activities

Tracey Welson-Rossman: You can see a press release - http://www.techgirlz.org/techgirlz-survey-finds-middle-schools-lack-technology-offerings-girls/

Adrienne: Thank you! Anyone with relevant research materials, please contact me at adrienneprovenzano@yahoo.com. Great workshop!

Tracey Welson-Rossman: Thanks everyone!

Erin Hogeboom: https://ngc2016.typeform.com/to/fmXR2r

Laura Jones GEMS: thank you

Karen Peterson: thanks everyone!

Adrienne: Thank you for facilitating, Erin!

Karen Peterson: Happy CS Ed Week!!