Suzi Taylor: Hi - Suzi Taylor at Montana State University in Bozeman, MT

Brenda Britsch: Welcome everyone! This is Brenda Britsch with NGCP. We are happy to have you here!

oliviafirth: Hi! Olivia Firth at Montana State

Hilary Lozar: Hello! I'm Hilary Lozar, STEM Coordinator at three small Boys & Girls Clubs in the Flathead/Mission Valley in NW Montana!

adrienne: Is there any special meaning to World Quantum Day being April 14? (in the way Pi day is 3/14?)

Suzi Taylor: 4/14 is like Pi Day — it comes from Planck's Constant

adrienne: Thank you for explaining! Now I need to check out Planck's Constant!

Jennafer: Good afternoon. I am Jenna Day, a middle school teacher from Bozeman.

Brenda Britsch: Learn more about NGCP: https://ngcproject.org/

Brenda Britsch: Join us for upcoming webinars and events:

https://ngcproject.org/events-announcements

adrienne: Hello! I'm an informal STEAM educator!

Brenda Britsch: Subscribe to NGCP monthly e-newsletter: http://ow.ly/Zuds30qwpOK

Brenda Britsch: Learn about Quantum education and workforce development at MSU:

https://www.montana.edu/smrc/quantum/

0Brenda Britsch: Curious about quantum basics? Check out NASA's Quantum 101 comic and coloring sheet: https://www.nasa.gov/directorates/somd/space-communications-navigation-program/quantum-101-comic/

Brenda Britsch: This video provides a great introduction to the world of quantum: https://www.youtube.com/watch?v=RypSQKIKhyo&t=2s

Brenda Britsch: How to make a thaumatrope: https://www.youtube.com/watch?v=tPBSeoT_AN4

Amanda Sullivan: If you have questions for our speakers, put them in the chat anytime and we'll try to ask as many as we can later on in the webinar!

adrienne: Is there a particular session or two you might suggest for a shorter program?

adrienne: What's the role of Quantum Computing in AI and Machine Learning?

oliviafirth: My understanding is that quantum computers can process information way faster, which allows AI and Machine Learning tools to learn information way faster, which is how they generate decisions and automations.

Tricia Berry - UTWiSTEM: What were the grades for this again? Thx

Suzi Taylor: Middle school

Stephanie L. Weber- NCWIT/ U. Colorado Boulder: Was there evaluation done on this? Assessing the girls interest pre and post the experience?

Hilary Lozar: Not exactly. But the girls do a career quiz in module 7 that really got them excited about different future careers. That's about the closest thing we did to an assessment or interest survey.

Brenda Britsch: And from the project level, we conducted a focus group with the educators and administered a survey to the educators.

Amanda Sullivan: Do you see a duck or a bunny rabbit in that image?

Brenda Britsch: I always see the rabbit!

Amanda Sullivan: I always see the duck and have to force myself to see the rabbit!

Hilary Lozar: Today, I saw the duck first and then the rabbit!

Amanda Sullivan: Love seeing all these benefits you observed around confidence and self-esteem, Jenna!

Brenda Britsch: Thank you Jenna!!!

adrienne: Thank you Jenna! Great project!

Suzi Taylor: Thanks, Jenna! Great overview!

Karen Peterson: Thank you Jenna!!

Hasret Balcioglu: Thank you.

Lis Dziminski | NV OSIT: 👏 Amazing, Jenna!

Jenna Day: Thank you everyone! It was an amazing experience.

Stephanie L. Weber- NCWIT/ U. Colorado Boulder: Is there a plan for replicating this or scaling this?

Tricia Berry - UTWiSTEM: Related -- what's an estimate of program costs for this smaller group. We do things big...so replication and/or scaling to much larger numbers would be within our scope. Curious as to how scalable the program seems to be.

Brenda Britsch: We are definitely interested in replicating/scaling after we've finished this project and reflect on the learnings, etc.

Brenda Britsch: @Tricia Berry - UTWiSTEM I definitely think it's scalable. We are happy to think about costs and discuss further.

Suzi Taylor: I don't think anyone mentioned it yet, but the materials are pretty simple and easy to acquire

Brenda Britsch: Yes - good point Suzi!

Amanda Sullivan: We love the sounds of happy kids!

Amanda Sullivan: This looks so fun!

adrienne: Providing opportunity for students to build on existing interests - great!

Amanda Sullivan: I agree! The basketball example is such a great example of this

Suzi Taylor: Great job, Hilary!

adrienne: Thanks, Hilary!

adrienne: Thanks for asking my question, Amanda!

adrienne: This seems like a project that could also be connected with Ada Lovelace Day.

Brenda Britsch: Hilary's bandwidth was low, so just to repeat her suggestions for a shorter program here: Module 1, arts projects, comic strip, careers module

Brenda Britsch: Did I miss anything @Hilary Lozar

Hilary Lozar: 👍 That's exactly what I recommended! Thank you. All my staff is online now so the wifi is getting clunky!

adrienne: Thanks NGCP for another great webinar!

Suzi Taylor: https://q12education.org/quantime QuanTime from the National Q-12 Education network has good activities too

Karen Peterson: Thanks to Hilary and Jenna for sharing the "on the ground" experiences!

Brenda Britsch: Register for our next webinar, Supporting Early Childhood STEAM Experiences through Play: https://ngcproject.app.neoncrm.com/np/clients/ngcproject/event.jsp?event=792

Brenda Britsch: Please complete our post-webinar survey: https://forms.office.com/r/YXQYqhCsVX

Hilary Lozar: Thank you all, and enjoy!!