

STEM Foundation Board Meeting

August 28, 2018

In attendance: Allison Spencer, Sue Redington, Zoe Reisen, Katie Mayer, Katherine Kireiev, Melanie Shepherd, Michael Grooms – Carbonite, Angie Tymofichuk – LSI, Brad Shafer-Andeavor, Deneiva Knight – Comcast, Brian Parker – MHTN Architects, Justin Lee – Microsoft, Eric Pope (US Synthetic- by phone), Tami Goetz

Approval of minutes: Motion to approve by Brad, seconded

Donations: Allison

Michael Brooms – Carbonite - announces \$25,000 donation (use for Girls Who Code)

Grant coming up this Fall – from Boeing to hire for data collecting to see if what we are doing is working. \$75,000 to get that started. Have found a district that wants to start in their district. Boeing has 3 major sites – looking at investing in seeing workforce building

STEM Best Practices \$61,049 was donated in-kind

Reached out to see have board members try to get people to donate for next year.

Anyone have an engaging keynote? Give us ideas, pull some strings (ideas- Dave Eggar)

White cloud – went out to them and took Shawn’s concept – hired interns to work on Mobile

Museums (grant with IHC).

Presentation by Zoe & Katy:

Concept: fun exhibit that sparks kids interest in healthcare

Working with PC caps (their engineering class is going to design 2 caps for January)

Middle schools students’ target.

3D printing, puzzles, virtual & augmented reality, (look through to see arm, which would show their muscles and inside their arm), holograms

Hoping to facilitate tour across Utah by next July.

Vending machine size

Handout – overview of human body tour (through 7 major body systems), use virtual reality to show the kids how the blood goes through the body, etc.

Wound care and immunity – what goes into first aid kit, stop the bleed movement, learn about various kinds of wounds, meet “team blood”, analyze own bodies (diet, family history, etc.)

Justin Lee told the interns he could have help with holograms – talk to him after.

Modeling site – Brian parker (contact him for help)

Funding priority – Entrepreneurship event:

Shark tank, Best mentor, etc.

Erin Paulsen – update – 59 clubs signed up (at least half in the Wasatch Front)

21 are renewals and the rest are new

35 currently active

15 meetings for these clubs

Curriculum specialist to help them

Spotlight of a female scientist, how is it brave, creativity, resilience, etc.

Teach them how to build something that helps their community. Girls NY built a website to deal with water usage, some built an app to talk anonymously to others their age.

Doing another push for those clubs.

Starting 3rd through 5 grade (book club with Girls Who Code) introduces them to coding. Then they can move onto Scratch.

Gets them into the mindset of coding.

Girls Who Code will send the clubs books, etc. should not have a cost. They will get a \$300 grant for new and \$400 for renewals

Would like to present awards at the Aquarium in front of the Shark Tank at the Aquarium.

20% of clubs are rural

Dillard's (Eileen Fisher brand) wants to donate to Girls Who Code through her sales.

For sustainability – Erin says to build into a survey to see how the year went.

Track impact.

Most of these clubs are run by teachers.

Joseph Spence: How are we handling the training of teachers?

Erin: Girls who code offers training, the teachers have access to HQ.

Would like the foundation members to be a part of the event.

If schools have an interest who do they talk to (Davivi)? Talk to Erin

Intro to STEM Live Series

Joseph Spence has a presentation (IconIQ Talks – Utah)

Speakers come in and talk (Pre-Speech Activity, Speech & Activity, Post Speech Activity) Program to offer public platform

People that Joseph has access to (showed on slide),

Foundation members – do you have access to other speakers?

Allison: What would the take away be?

Build up a library of conversations with the speakers. Deeper for teachers to access. Platform for the next generation.

More than a speaking event. Has pre & post event to give the teachers more.

Tami: suggests bring in a focus group of teachers to see how it comes across. Make sure it is useful to teachers before taking it further.

As we map out each topic, make sure we have the right voice. Who are the teachers to focus?

They did an event at Pluralsight with 80 kids.

Angie: What is the “ask” of the Foundation Board on this project?

Joseph can get the speakers lined up, but the logistics to get into the schools and find best partners – would like STEM to help with those. The board members could help with contact,

broader access and distribute. Incorporate this in their business models. Allison will work with Joseph for a focus group for his program.

Upcoming Events:

I-Heart tech at Adobe- coming up – many schools and communities coming together.

STEMFest –October 23/24

Utah Media Group does this for us.

They seek sponsorships.

This benefits Utah.

Would like their participation.

Will get a coveted shirt!!!

Volunteer information is on the website. Targeting 7th – 10th grades.

Motion to adjourn: Justin Lee, second by Angie