

### STEM Action Center Board Meeting Minutes

August 29, 2018 • 2:00pm

STEM Action Center: 60 East South Temple, Suite 850, Salt Lake City

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| <b>Members Present:</b> | Vance Checketts, Val Hale, Kathleen Riebe, Blair Carruth, Sydnee Dickson, Tami Pyfer, Bert VanderHeiden, Mike Bouwhuis   |
| <b>Members Absent:</b>  | Scott Nowlin, Mark Sunday  |
| <b>Staff:</b>           | Colleen Fisher, Katy Mayer, Zoe Riesen, Suzy Cox, Chuck Keeler, Katherine Kireiev, Brad Hunsaker, Tristan Taylor, Clarence Ames, Melanie Shepherd, Kellie Yates, Erin Paulsen, Lynn Purdin, Allison Spencer, Sue Redington, Tami Goetz |
| <b>Visitors:</b>        | Cari VandeVeegaete, Alison Sturgeon, Shawn Lambert, Scott Cheney   |

#### I. Welcome and Related Business

Vance Checketts called the meeting to order and welcomed everyone to the meeting. The Board will approve the April minutes in the November meeting.

#### II. Board Discussion

Val Hale said he was very happy to have STEM as part of GOED. Workforce is the #1 thing talked about in our state. STEM is an investment in the future of Utah.

Vance Checketts, Board Chairperson, stated that he has left Dell EMC and is working as the COO of a new company Dsco.io. The board members introduced themselves.

Vance indicated that we are pending appointments to our board. He is anxious to get others around the table.

Introductions were made for new members of the STEM AC team.

Shawn Lambert from the Department of Heritage and Arts was introduced. He brought examples of his new project and discussed it in length. He is in the process of making a traveling archeology museum. It is being done through 3-D printing. He stated it is a great museum for people with visual disabilities. He is collaborating with the STEM AC, Utah Schools for the Blind and Deaf. He has three interns helping him, two of which are visually impaired; helping to make sure the braille is readable, etc. The traveling exhibit will be available in libraries and other places it can be visited. Board member, Kathleen Riebe stated many schools are working with 3-D printing. She asked if there are any materials to transition this into the classroom. Shawn stated that the files are on his website so teachers can download the files and have their students' 3-D print these objects.

Katy Mayer & Zoe Riesen, STEM interns, presented their Mobile Museum project. Their project is similar to Shawn Lambert's, except in the healthcare field. The museum will be about the size of a vending machine. It will give a tour of the body systems, pathways in medical field, wound care & immunity, etc. Microsoft is a potential partner. Katy and Zoe are partnering with a professor at BYU and the PCCAPPS students in Park City. The goal is to launch in July of 2019. Tami Goetz, STEM AC Executive Director, stated that companies could sponsor a specific portion of the museum project.

Vance asked if the 3-D printed files have already been created. Also, are they creating new things or collecting existing things? Zoe Riesen answered that they are using some that are

already out there and that holograms will also be used. Katy Mayer stated that Whitecloud may already have some of these printed that they could use. Mike Bouwhuis stated that Whitecloud will take 3-D prints of a heart that needs to be operated on and send it to the doctors so they can practice on the 3-D object. Kathleen Riebe stated she was excited about this with 4 – 6 graders to help them learn.

Clarence Ames reported that the STEM AC received \$1,000,000 in funding to get 45,000 more students access to the K-12 Math Personalized Learning platforms.

Katherine Kireiev gave a re-cap of the STEM Best Practices Conference event. We had over 700 attend and it was very successful.

Lynn Purdin provided an update on the computing partnership grant that was awarded \$1.255 million. SB190 was created to support districts in building and sustaining computer science programs in schools.

Sarah Young, from the Utah State Board of Education office, presented on the Digital Teaching & Learning project. DTL Summit, resources, workshops, dashboard available on [www.dtlutah.org](http://www.dtlutah.org)

Vance Checketts thanked everyone for coming.

### **III. Meeting Adjourned at 4:15 pm**