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STATE OF NEVADA

GOVERNOR'S OFFICE OF SCIENCE, INNOVATION & TECHNOLOGY

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Brian L. Mitchell
Director

PUBLIC MEETING MINUTES

Name of Organization: STEAM Subcommittee
Date and Time of Meeting: Wednesday, December 12, 2018 at 2:00 P.M.
Place of Meeting: Nevada State Library and Archives
Governor's Office of Science Innovation and Technology
100 North Stewart Street, Suite 220
Carson City, NV 89701

Please use the following numbers to join the Conference Call:

Northern: 775-687-0999 or
Southern: 702-486-5260
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I. Call to Order / Roll Call

Marisa Cooper

The STEAM Subcommittee was called to order by Chair Marissa Cooper at 2:05 P.M., on Wednesday, December 12, 2018, on the tele-conference remote site, listed above.

Members Present:

Candy Schneider
Craig Rosen
Jeneane Harter
Laura Christian
Mary Holsclaw
Marisa Cooper
MaryJane Dorofachuk
Meghan Schiedel
Sue Dehart
Tia Flores

Members Absent:

Alisha Kerlin
Candace Garlock
Julye Neel
Sarah Gobbs-Hill

Guests Present:

Andrew Snyder, Education Programs Professional, State of Nevada Department of Education

Staff Present:

Brian L. Mitchell
Debra Petrelli
Tracey Gaffney

A quorum was declared.

II. Public Comment (No action may be taken upon a matter raised under public comment period unless the matter itself has been specifically included on an agenda as an action item.)

Marisa Cooper

There was no public comment.

III. Welcoming Remarks and Announcements (For information only)

Marisa Cooper

Chair Cooper thanked everyone for participating today. She commented that because some members of the subcommittee have not attended a meeting of the STEAM Subcommittee in months, perhaps those members would rather just attend as a guest upon their availability, thereby not effecting membership attendance in getting a quorum for voting purposes. Mr. Mitchell pointed out that membership is determined by the subcommittee, and suggested the Governor's Office of Science, Innovation and Technology (OSIT) perform an analysis of the STEAM subcommittee members attendance at past meetings, and reaching out to those members who do not regularly attend meetings and inquire if they want to remain as members.

IV. Approval of the Minutes from the September 6, 2018 and November 16, 2018 STEAM Subcommittee Meetings (For possible action)

Marisa Cooper

Chair Cooper asked if there were any corrections to the September 6, 2018 Minutes as written. None were made. Ms. Schneider made a motion to approve the Minutes of September 6, 2018, as written. Ms. Holsclaw seconded the motion. The motion passed unanimously.

Chair Cooper asked if there were any corrections to the November 16, 2018 Minutes as written. None were made. Ms. Harter made a motion to approve the Minutes of November 16, 2018, as written. Mr. Rosen seconded the motion. The motion passed unanimously.

V. Discussion on the STEAM Conference and Possible Other Future Projects to Include the Survey of Statewide Arts Education (For possible action)

Marisa Cooper

Mr. Rosen commented that the upcoming Southern Nevada STEAM Symposium is taking place on Saturday, February 23, 2019 on the campus of the University Nevada Las Vegas (UNLV). He said the theme is the same as the Nevada STEAM Conference, "*Looking Backward, Moving Forward.*" He said the focus will be on robotics and art, and the keynote

speaker will be Professor Kenneth Y. Goldberg, American artist, writer, inventor and researcher in the field of robotics and automation at Berkeley, Electrical Engineering and Computer Sciences (EECS). He said the symposium will include workshops and a robotics track, including vendors and a moderated panel on robotics in the classroom. He said, at the symposium's conclusion, also included, is a trip to the Cirque Du Soleil KA Theatre at the MGM Grand in Las Vegas, for a "behind the scenes" tour on how that stage was built as well as the art, design and engineering behind the show. He added those participating in this tour will also get to see a performance of KA at a discounted ticket price. He said the registration for the symposium will open in the next few weeks. Mr. Mitchell asked whether any type of flyer or informational guide for the symposium had been prepared. Chair Cooper responded that material has been prepared and they are cautiously distributing marketing material because of the close proximity of these two events; The Southern Nevada STEAM Symposium at UNLV (2/23/19), and the Nevada STEAM Conference at the Nevada Museum of Art, Reno (2/2/19). She pointed out they are being very cognizant of when things get sent out so as to alleviate as much confusion on registration for each event. She added the informational flyer will be distributed in the order of each event.

Chair Cooper said in addition to the two events mentioned there was third event, The Eastern Nevada STEAM Summit, held in Elko on October 16, 2018. She said the Nevada Museum of Art is in the process of securing sponsorship to make that an annual event and in the future with a platform similar to the Nevada STEAM Conference to include hands-on workshops for teachers, but still focusing on the Eastern Nevada community. She pointed out that combined, this is a "three-event sweep" of STEAM programs serving the entire State of Nevada.

Chair Cooper said, without any marketing or promotion, 87 individuals have already registered on the website for the Nevada STEAM Conference. She said 250 teachers are expected to register and pointed out that only 150 registered last year. She said this year Tesla is funding travel grants for teachers to include per diem meals, airfare and accommodations. She said the goal is to get a team of teachers from every school district in the state to attend the conference and for this event to be the premier STEAM education program directly impacting every single school district statewide. She said she would like to assign each member of the subcommittee one school district in the state to find a contact person at that district, either the Director of Curriculum Instruction or the STEM Coordinator, and personally invite them to attend The Nevada STEAM Conference. She said Mr. Rosen has prepared a travel grant to be distributed to those school districts as a resource for travel grant approval. She said approximately 7 school districts of the total 17 statewide school districts have already been invited and she is tracking this information on a shared Google Drive. The subcommittee agreed to assist in contacting school districts statewide. Chair Cooper suggested members contact her with their commitment to assist with this project.

Mr. Rosen said approximately 50 travel stipends are available for the NV STEAM Conference in Reno taking place on February 2, 2019, including approximately \$400 for actual travel, either airline or mileage reimbursement, and the hotel room block in Reno is already paid. He restated that at least 2 people in attendance from every school district within the state would be ideal. Chair Cooper said she is working on getting additional funding for more teachers to travel to this event and will update the subcommittee shortly on that progress. She said the capacity for this event is currently 250 people, but has the potential to go higher. She said a press release and digital invitation will be shared with the subcommittee on December 19, 2018

with the goal that it be distributed to each member's networks on December 20, 2018, which is the last day before the winter break. She pointed out one difference in this year's conference from last year's conference, as requested by teachers who were not able to attend every workshop, is that copies of lesson plans for all workshops be available. She requested that all subcommittee members submit to her, digital copies of their lesson plans being presented in their workshops by Friday, January 4, 2019. She will be providing a preloaded USB flash drive to all attendees at the conference with lesson plans from each and every workshop. She requested that any subcommittee members with questions or comments should individually reach out to her.

Mr. Rosen commented on pre-conference events taking place on February 1, 2019, to include tours of the Tesla Gigafactory in Sparks throughout the day, and an evening reception from 5:30 p.m. to 7:00 p.m. at the Stremmel Gallery in Reno. Chair Cooper added there is no registration for that reception and it can accommodate up to 60, however the Tesla tour requires registration. (See conference website for information <https://www.nevadaart.org/nvsteam/info/>) Mr. Rosen commented for any subcommittee members traveling from Southern Nevada to Reno, to contact him for hotel accommodation information. Chair Cooper added for any subcommittee members traveling to Southern Nevada for the STEAM Symposium to contact her for hotel accommodation information.

VI. STEAM Subcommittee Member General Announcements (For information only)

Marisa Cooper

There were no general announcements.

VII. Consider Future Agenda Items for the Next Meeting (For possible action)

Marisa Cooper

Mr. Mitchell asked whether a meeting by the subcommittee is necessary prior to either of the upcoming STEAM conferences. Chair Cooper replied it is not necessary to have another tele-conference prior, however she suggested an in-person meeting by the subcommittee at the NV Museum of Art in Reno on Friday, February 1, 2019 at 4:00 p.m. The subcommittee agreed.

VIII. Public Comment (No action may be taken upon a matter raised under public comment period unless the matter itself has been specifically included on an agenda as an action item.)

Marisa Cooper

There was no public comment.

IX. Adjournment

Marisa Cooper

Chair Cooper adjourned the meeting at 2:34 P.M.