



Brian Sandoval  
Governor

## STATE OF NEVADA

### GOVERNOR'S OFFICE OF SCIENCE, INNOVATION & TECHNOLOGY

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Brian L. Mitchell  
Director

### PUBLIC MEETING MINUTES

Name of Organization: Integrating Arts and Culture into STEM (IACS) Subcommittee  
Date and Time of Meeting: Tuesday, January 30, 2018 @ 9:00 A.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  
Access Code: 70987 then push #

#### **I. Call to Order / Roll Call:**

The Integrating Arts and Culture into STEM Subcommittee was called to order by Chair Aimee Allen at 9:02 a.m. on January 30, 2018, on the tele-conference remote site, listed above.

#### **Members Present:**

Aimee Allen  
Candace Garlock  
Candy Schneider  
Craig Rosen  
Dave Brancamp  
Jeneane Harter  
Laura Christian  
Marisa Cooper  
Meghan Schiedel  
Sarah Gobbs-Hill  
Sue Dehart  
Tia Flores

#### **Members Absent:**

MaryJane Dorofachuk  
Julye Neel

**Staff Present:**

Brian Mitchell

Debra Petrelli

**II. Public Comment:**

There was no public comment.

**III. Welcoming Remarks and Announcements:**

Chair Aimee Allen

Chair Allen welcomed everyone.

**IV. Approval of the Minutes from the October 31, 2017 Meeting:**

Chair Allen asked if there are any corrections to the October 31, 2017 Minutes as written. None were made. Ms. Cooper made a motion to approve the Minutes of October 31, 2017, as written. Ms. Harter seconded the motion. The motion passed unanimously.

Ms. Schiedel commented later in the meeting that after review, she had found some changes that need to be made in the October 31, 2017 Minutes. Chair Allen referred the October 31, 2017 Minutes back to the agenda for the next meeting for final approval.

Chair Allen reminded the group that all Meeting Minutes can be found on the Governor's Office of Science Innovation and Technology (OSIT) website, and everyone should be referencing them before the meetings ([http://osit.nv.gov/STEM/IACS\\_Subcommittee\\_Mtgs/](http://osit.nv.gov/STEM/IACS_Subcommittee_Mtgs/)).

**V. Update Nevada STEAM Conference (Saturday, February 24, 2018 @ Nevada Museum of Art) (For information only)**

Chair Aimee Allen

Chair Allen suggested that Marissa Cooper with Nevada Museum of Art and Craig Rosen with ScienceAlive at Desert Research Institute (DRI) update the group on the Nevada STEAM Conference. Ms. Cooper spoke about the launch of the Nevada STEAM website (<http://www.nevadaart.org/nvsteam/info/>), which houses the registration and information for the conference. She said the conference capacity was full within three weeks, with 150 teachers registering from all over Nevada. She added that because of the Nevada Arts Council Grants offered to teachers, a very diverse group from all over the state had been received. She said the workshops and key-note speakers are all set up. She said the Nevada Museum of Art donated the event space, the Sky Room, with breakout sessions taking place in classrooms throughout the museum. She commented on a raffle for gift-baskets to teachers at the close of the conference. She suggested each organization within the IACS subcommittee prepare and donate a gift-basket with teacher-friendly materials for the classroom for the raffle and have them ready the day of the event.

Mr. Rosen commented on the budget for this conference and pointed out that Desert Research Institute (DRI) and the Nevada Museum of Art are the main financial contributors, with The Smith Center also contributing a portion. The total budget was about \$16,000, not including

the donation of the Sky Room. He pointed out it is important for this group to think about the future of this conference and where it is heading, as well as it moving to Las Vegas in 2019. He said he had received at least 20 to 25 more teacher requests to attend, outside of the sold out 150 teachers, and feels this number could balloon up to 300 or 400 next year. He said, in moving forward, we need to inquire with the State for potential sponsorship, since this is a state-wide conference. He said perhaps that is a lobbying point for this subcommittee to get money set aside for this event in the future. He further talked about an opportunity, after the lunch-session and during the panel discussion of the conference, for this subcommittee to shine a light on our work; what we have done and what we will continue to do. He requested support from all members.

Ms. Cooper suggested that during the first 45 minute introductory portion of the conference, IACS present a brief STEAM overview and that it might be valuable for each organization from this subcommittee to have approximately five minutes at the podium to give an overview of what programs they have for teachers and what professional development they are doing. She asked if the group would be interested in participating and to respond to her with an e-mail of interest along with two or three slides representing their organization, which could be compiled into one larger presentation. Mr. Mitchell asked whether Ms. Cooper was intending to do a survey of attendees from the conference. She responded that an electronic survey would be sent out at the close of the conference, and then responses would be compiled and results shared with the IACS subcommittee. Mr. Mitchell said accumulating conference data could help demonstrate to the State that the conference was valuable to them and maybe help with lobbying for funding from the State.

Ms. Cooper suggested the opportunity to have the next meeting of the IACS subcommittee on February 23, 2018, the day prior to the Nevada STEAM conference. The group agreed to the date and decided on 3:30 pm to 4:30 pm.

## **VI. Update IACS Position Paper (For possible action)**

Chair Aimee Allen

Chair Allen said the IACS position paper on STEAM education has been discussed for almost three years. She pointed out that the framework for this document was provided by Marissa Cooper. The group reviewed and discussed the content of the paper, and references for accuracy. Chair Allen commented on the abundant literature that supports this document. Ms. Cooper asked whether a student could earn both a STEM and a STEAM seal on a diploma. Mr. Mitchell replied he was not aware of anything that would preclude a student from earning both, providing they meet the criteria or requirements for both. The group discussed the document being a complete paradigm shift on assessment, and in moving forward, teachers, educators and administrators may be requesting some assistance from the IACS subcommittee to answer questions. Chair Allen pointed out that this paper will be shared and distributed at the first NV STEAM Conference, hosted by Nevada Museum of Art and Science Alliance, on Saturday, February 24, 2018 with the explicit intention of soliciting community feedback from preK-12 educators. Their feedback, along with the feedback of students, other STEAM professionals, and the wider community, will be incorporated into future drafts of this document, until such time as IACS presents and recommends a final framework to the NV STEM Advisory Council in the Spring of 2018. Chair Allen suggested a copy of this document be distributed to everyone attending the STEAM Conference.

A discussion on the presentation of the IACS position paper to the community ensued. Ms. Cooper stressed that the idea they share statewide, a definition, a process, and an understanding of the integration of the arts into STEM education, and that it is at the heart of why this paper exists. Chair Allen asked how feedback on the document would come from attendees. Ms. Cooper suggested conversational feedback during the panel discussions, as well as including questions about the IACS position paper in the final survey sent out to teachers, and/or a comments card for written feedback be placed on attendee tables during the conference. The group continued to discuss ideas of feedback from attendees. Ms. Cooper also suggested using the last 5 minutes of the panel discussion time to open individual discussions at each table with a member present from the IACS subcommittee at each table. Chair Allen asked that the subcommittee re-review the document for flow and accuracy. She said after the STEAM conference concludes the group needs to integrate all new feedback into the document and prepare it for presentation to the STEM Advisory Council, possibly in the Spring of 2018. The group agreed to wait on feedback to see the extent of how much the documents needs to be updated. It was suggested that a DRAFT watermark be placed on the document while being presented at the conference.

**VII. Update PR Pamphlet Promoting the STEM and STEAM Certificate Programs (For possible action)**  
Chair Aimee Allen

Chair Allen commented that so far only small steps had been taken on this PR pamphlet and she still needs to follow up with Mr. Mitchell on this topic. She tabled this item until next meeting.

**VIII. Department of Education's Spring "Mega" Conference - IACS Participation (April 20 – 22, 2018 @ Rio Hotel, Las Vegas) (For possible action)**  
Chair Aimee Allen

Chair Allen asked Dave Brancamp, Director of Office of Standards and Instructional Support, Nevada Department of Education, to update the group on the Department of Education's Spring Mega Conference. Mr. Brancamp commented that in the past this conference had a very strong emphasis on special education, but has now grown to include the recognition of schools that have done great things, as well as many more avenues that help in education, making it a "Mega" Conference. He added there will be presentations on STEAM and arts integration into education. Ms. Flores commented that she and MaryJane Dorofachuck had been working closely with Mary Bennett, an Arts Integration Specialist at Sierra Arts, who will be a speaker at the Mega Conference, as well as a panel speaker at the Nevada STEAM conference on February 24, 2018.

**IX. Update New Fine Arts Standards (For possible action)**  
Chair Aimee Allen

Chair Allen asked if there was any information necessary on the new Fine Arts Standards that the subcommittee should know about prior to the Nevada STEAM conference. Mr. Brancamp said teacher-friendly language was adopted at the last State Board of Education meeting in January 2018. He said it is still moving forward with the last part being the inclusion of legal

language. He said an upcoming workshop will provide information to Dr. Steve Canavero, Ph.D, Superintendent of Public Instruction with the Nevada Department of Education, on February 26, 2018, with that language before going to the Legislative Counsel Bureau (LCB). The final workshop will be in April, 2018 regarding the legal language. He commented that the new Fine Arts Standards are currently in school districts where they are working with the Department of Education, making curriculum and instructional changes. Chair Allen suggested that in the IACS position paper they supply a link to the new Fine Arts Standards as a resource.

**X. IACS Member General Announcements** (For information only)  
Chair Aimee Allen

Chair Allen asked members for any announcements from their organizations. Ms. Flores commented on arts and literacy through arts integration. She added that she will be doing a presentation at the Washoe County School Board this evening on fine arts education programs and the progress being made in the efforts to collect soft data. She said the comparative hard data will not be available until the end of the school year. She added she will be taking this information with her to the Kennedy Center when she goes on February 6, 2018, for a conference focusing on arts integration. She said Nevada is the only state working at this level with arts integration and onsite professional development. Chair Allen asked whether Sierra Arts Foundation will be publishing something on the comparative data they receive. Ms. Flores responded they are. She said it will include a focus on Literacy Standards and the teaching strategies and art disciplines that match up with the Fine Arts Standards. She added they will be publishing a paper on the soft-data received as well. Chair Allen requested that all organizations represented by members of IACS with published research, send her those references for integration into the IACS position paper.

**XI. Consider Future Agenda Items for the Next Meeting** (For possible action)  
Chair Aimee Allen

No items were discussed.

**XII. Determine Next Meeting Date** (For possible action)  
Chair Aimee Allen

Chair Allen said the next meeting for the IACS subcommittee will be an “In-person” meeting to take place on February 23, 2018 at the Charles N. Mathewson - IGT Founders Room Nevada Museum of Art, 160 West Liberty Street, Reno, Nevada. The group discussed times for the meeting and agreed upon 3:30 pm to 4:30 pm.

**XIII. Public Comment**

There was no public comment.

**XIV. Adjournment**  
Chair Aimee Allen

Chair Allen adjourned the meeting at 10:17 a.m.