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Name of Organization: Advisory Council on Science, Technology, Engineering and Mathematics (STEM)

Date and Time of Meeting: March 28, 2016, 2:00 PM

Place of Meeting: Blasdel Building  
209 E. Musser Street, Room 105  
Carson City, NV 89701

This meeting will be video conferenced to the following location:

Grant Sawyer State Office Building  
555 East Washington Ave,  
Suite 5100  
Las Vegas, NV 89101

**MINUTES**

- I. Call to Order/Roll Call  
Mark Newburn, Co-Chair  
Kelly Barber, Co-Chair

Mr. Newburn called the meeting to order at 2:02 pm and will chair this meeting.

Members Present: Mark Newburn, Shelace Shoemaker, Richard Knoeppel, Kelly Barber, Dave Brancamp, Dr. Carl Reiber, Cory Hunt, Kristine Nelson, Dr. Anne Grisham, Rob Elliott, Judy Kraus

Excused Members: Marcus Mason, Gerd Poppinga, Mary Frey, James Huckaby

Guests: Andy Jorgensen, Randi Hunewill

Staff Present: Brian Mitchell, Dale Ann Luzzi

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.)

There was no public comment.

- III. **Welcoming Remarks** (For Information/Discussion)  
Mark Newburn, Co-Chair

Mr. Newburn welcomed the Council members to the third STEM council meeting.

- IV. **Approval of the Minutes from the February 22, 2016 meeting** (For possible action)  
Mark Newburn, Co-Chair

Dr. Reiber made a motion to approve the minutes as written. Mr. Knoeppel seconded the motion. The motion passed unanimously.

- V. **Overview of Nevada Ready 21** (For Information/Discussion)  
Andy Jorgensen, Nevada Department of Education

Mr. Jorgensen, program director for Nevada Ready 21, provided the Council with an overview of the Nevada Ready 21 program (<http://osit.nv.gov/Meetings/STEM/2016/Meetings/>). The plan was started in 2012 as a collaborative effort among Nevada public schools districts, private sector, non-profit experts and the Department of Education (DOE). The 2015 Legislature approved 20 million in funding for 2016 and 2017 for the one-to-one implementation starting in the middle schools. One- to –one provides students and teachers 24-hour access to their own personal, portable technology device, connected wireless to the internet. There are 23 schools in the first cohort which will take approximately six years to implement statewide depending on future funding. He also gave a brief overview of the Nevada 21 plan (available on the link above).

- VI. **Overview of the Next Generation Science Standards** (For Information/Discussion)  
Dave Brancamp, Nevada Department of Education

Mr. Brancamp provided the Council with an overview of the Next Generation Science Standards. The major components of three dimensions learning are: practices, core ideas and cross-cutting concepts. He provided the Council with the Next Generation Science Standards pamphlet and reviewed for the Council

the role of the new standards, the framework for K-12 science education and the 2014 recommendations made to the school districts based on the standards.

- VII. Update on the STEM Summit (For Information/Discussion)  
Beth Wells, Executive Director, STEM Coalition

Ms. Wells was unable to attend the meeting today so this item was tabled for a future meeting.

- VIII. Discussion and Planning of Two STEM Advisory Council In-Person Meetings (For possible action)  
Brian Mitchell, Director, Governor's Office of Science, Innovation and Technology (OSIT)

Mr. Mitchell told the Council that with the passage of AB485, the council is required to have a minimum of two face to face meetings. The OSIT budget has funds to pay for the costs for the meetings. Mr. Mitchell suggested that the southern meeting take place in late September to coincide with the STEM Coalition's STEM Summit. Dr. Reiber offered to host the meeting at UNLV. Ms. Nelson suggested that the northern meeting take place during the 2017 session to have all Council members present however Mr. Mitchell pointed out that the Council needed to have two in-person meetings each calendar year. Mr. Mitchell suggested a summer meeting in Reno for a strategic plan workshop. He said the Director of the Discovery Museum has offered to host the meeting. Mr. Mitchell will send out a doodle poll to see what dates work for most members.

- IX. Subcommittee Reports (For possible action)

*Recognition Subcommittee*

The subcommittee discussed many aspects of who and how recognition would work. They looked at various other states' processes and decided Iowa had the best one for Nevada to use as a template. Mr. Mitchell is going to draft some questions based on the attributes from the rubric and it will be piloted to different STEM members. Mr. Mitchell said that OSIT would be funding the recognition events so that in the funding would be available in his department's budget. Mr. Mitchell said he had his draft ready and would be presenting it at the next subcommittee meeting. Once the subcommittee has reviewed it, it will be presented to the entire committee.

*Survey Subcommittee*

The subcommittee provided a review for the draft survey for the Council. The members asked questions along the way and changes and updates were made. One goal was to make the survey shorter so that more educators would complete the survey. Mr. Mitchell said once the Council approved the survey it would be sent out as a plot, review the feedback and have the survey sent

out the first week of May to teachers and administrators throughout the state. There will be a deadline in the email with the survey.

*Strategic Plan Subcommittee*

Ms. Nelson said at the last meeting it was agreed that the plan would start off with a problem statement and build around that. A draft of the outline of the plan will be presented to the Council at the next meeting. Some of the sections will be: Governor's message, executive summary, vision and mission statement, the strategic plan elements, the activities that the Council has done, operational elements and the actions plans. This will be a "living breathing" document.

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

- Marketing discussion on what an Administrators or Principal STEM academy would look like.
- Linda Heiss from the System of Higher Education will provide an overview of NWPR which is the statewide longitudinal data system
- Bob Potts from Governors of Economic Development will discuss projects for STEM workforce and STEM economic development.
- Someone from the Career Technology Education office

XI. Next Meeting Date is April 25, 2016. The meeting will be video conferenced between the Blasdel Building, in Carson City and the Grant Sawyer Building in Las Vegas.

XII. 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.)

Ms. Nelson said that Bill Anderson is presenting at the Legislative Committee on Education. He will be addressing STEM specific. Ms. Nelson will provide his presentation to the Council after his presentation.

Mr. Hunt said that Bob Potts would also be presenting at that meeting.

XIII. Adjournment

The meeting was adjourned at 3:41 pm.