



STATE OF NEVADA
GOVERNOR'S OFFICE OF SCIENCE, INNOVATION AND TECHNOLOGY
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Proposed New Permanent Subcommittees of the STEM Advisory Council

I. Survey Subcommittee

- a. Rationale: The Council is required to conduct surveys in NRS 223. Priority 3 Goal 1 of Strategic Plan.
- b. History: In 2016, the Council conducted a statewide survey of teachers and administrators regarding STEM resources and barriers. There is need to update the survey.
- c. Charge: Subcommittee members would develop and make recommendations for new surveys and assist OSIT in reviewing and analyzing the results. Survey data would be used by other subcommittees and the Council in carrying out their duties.
- d. Anticipated Workload: Two initial meetings to develop the surveys, followed by occasional communication via email.

II. STEM/STEAM Seal Subcommittee

- a. Rationale: SB 241 in 2017 established the requirements for high school graduates to be awarded a STEM or STEAM seal on his or her diploma. Students, teachers, high school counselors, and university administrators need to be made aware of the opportunity.
- b. Charge: Develop an awareness plan, with accompanying materials, targeted at the stakeholders above. Collaborate with IACS Subcommittee or work in conjunction.
- c. Anticipated Workload: Three or four meetings in 2018 along with occasional emails to review and refine work product.

III. Student, Teacher, and School Recognition Subcommittee

- a. Rationale: The STEM Advisory Council is charged in NRS 223 with recognizing students and schools that have demonstrated exemplary achievement in STEM.
- b. History: The Council had a previous subcommittee that planned the recognition events in 2017. Events are planned for 2018.
- c. Charge: The subcommittee would review the rubric for recognizing STEM schools for possible changes and improvements, comparing to other efforts in other states and evaluate whether changes are needed to the recognition program. It would also evaluate the student and teacher recognition programs and make recommendations for improvements and statutory changes, if needed. Assist OSIT in event planning.
- d. Anticipated Workload: Three meetings in the second half of the year.

IV. STEM Teacher Development and Resources

- a. Rationale: STEM Strategic Plan Priority 2: Increase the quality and scope of STEM in Nevada
- b. Charge: Develop a certificate or endorsement for STEM teachers, develop STEM teacher, administrator, and school board professional learning materials, develop a STEM teacher externship program, identify model teachers for interviews/mentorship, identify and vet other STEM resources for teachers.
- c. Anticipated Workload: Three meetings and email.

V. STEMworks/Scaling Best Practices

- a. Rationale: STEM Strategic Plan Priority 1: Goal 1, Priority 2: Goal 1, Goal 3
- b. Charge: Continue the STEMworks program and grow the list of schools on the Nevada STEM Advisory Council's list of recommended programs, refine the Nevada rubric, recruit local programs to apply, provide assistance to programs to be able to make the list.
- c. Anticipated Workload: Three meetings to develop the rubric, time to evaluate the applications.