

Appendix D: Nevada STEM Student Recognition Program and Application

Nevada's STEM Student Recognition Program is designed to bring students to a Nevada STEM Symposium, featuring professionals from the fields of science, technology, engineering and mathematics. The Symposium enables every school to select only one student to attend either the live event or via teleconference, in order to recognize and develop a broad interest in STEM careers across the state. This will expose all schools to the opportunities that exist and foster relationships with individuals, institutions and corporations within the STEM fields.

The Symposium will have two components – a student poster session and community professional presentations. This experience will enable students to share their interest and knowledge as well as learn more about careers and 21st Century developments within Nevada.

Students selected will participate in a poster session which describes the process and the STEM project they have been investigating, enabling a wide range of students and community members to see the plethora of quality work produced in Nevada. This will allow elementary, middle, and high school students to mentor each other in a collegial atmosphere while interacting with professionals in STEM fields.

The Symposium will close with presentations from leaders in STEM fields. Students will be able to interact with professionals that have taken their passion and made it a career.

Student Selection Process

Principals from elementary, middle, and high schools will be invited to select one Symposium participant. It is recommended that the student selected from the elementary and middle schools be from the final grade at that school. High schools should select an eleventh grade student. The requirements for participation will be distributed in September and completed student packets must be submitted by March 1st. The Symposium will be held in late April or early May. The University of Nevada, Las Vegas and Reno should be considered for the Symposium to promote higher education opportunities in Nevada.

Student Application Process

Students are eligible applicants upon completion of a STEM project during the current school year. The STEM project may include, but is not limited to: programming, technological design, an invention or innovation, mathematical application or proof, observational study, or experiment. Projects must communicate the impact and possible benefit for the community and include consultation with a professional expert in the field of study. Completed applications are submitted to the principal for selection to the STEM Symposium.

STEM Symposium Student Recognition Application

Name _____

School _____

Grade _____

STEM Project Title _____

_____ (60 points)

Student Submission

Abstract

Project artifacts photographed

Project Reflection – including successes, surprises, and changes to consider in the future

_____ (30 points)

Teacher Recommendation

Must include:

Verification of project completion and presentation

Statements addressing student presentation skills, collaboration, and leadership qualities

_____ (10 points)

Required Signature Statements

Applicant

I, _____ acknowledge that this STEM project is my work. If selected for the STEM Symposium I will create a poster (Maximum 48 inches wide, 38 inches tall) displaying my findings and attend the Symposium.

Parent/Guardian

I, _____ acknowledge that this STEM project is my child’s work. If selected for the STEM Symposium I will transport my child to the Symposium.

Professional Expert

I, _____ acknowledge my involvement and support for this STEM project.

Principal

I, _____ approve this STEM project for submission to the Nevada STEM Symposium.