

School Survey on STEM Education

Introduction

In 2013, the Nevada legislature passed SB 345, which established the Advisory Council on Science, Technology, Engineering, and Mathematics (STEM). One of the charges of the STEM Advisory Council is to “conduct a survey of education programs relating to the fields of science, technology, engineering, and mathematics in this State and other states to identify recommendations for the implementation of such programs by public schools in this State and report the information to the State Board of Education.”

At this time, the Nevada STEM Advisory Council would like your input on STEM education in your school. The Advisory Council will use the information collected from this survey to assess and describe current efforts in STEM education. Summary data and analysis will be shared with each state’s Department of Education.

Please note that the survey is completely anonymous. The survey will take approximately fifteen minutes. Before taking this survey, please read the following definition of STEM education, as approved by the Nevada STEM Advisory Council so that all answers you provide are based on this particular definition.

STEM Education Definition, as approved by the Nevada STEM Advisory Council

[Add Advisory Council’s STEM definition here after it is finalized.]

1. What is your professional role in education?
Administrator
Teacher
Other _____
2. Please indicate the current grade-level focus of your school.
Elementary School
Middle School
High School
Other _____
3. What is your subject area/grade level specialty?
4. Where is your school located?
Large Urban District
Small Urban District
Large Suburban District
Small Suburban District
Rural District/School
Tribal District
Other _____

5. In which state is your school located?
Select State (drop down menu)
6. How long have you been an education professional?
Less than one year
One to five years
Six to ten years
Eleven to twenty years
More than twenty years
- 7a. Do you offer STEM education (e.g., programs, courses, or certifications) in your classroom during the school day?
Yes
No
I do not know
Not applicable
- 7b. Does your school offer STEM education (e.g., programs, courses, or certifications) during the school day?
Yes
No
I do not know
Not applicable
- 8a. Has STEM education been integrated as something other than adding additional science and mathematics instruction/courses into your school?
Yes
No
I do not know
Not applicable
- 8b. If STEM education has been integrated as something other than adding additional science and mathematics instruction/courses into your school, how has it been integrated?
- 9a. Is the STEM curriculum in your classroom multidisciplinary to include integrated STEM lessons in all content areas (e.g., project-based learning, thematic units, flipped classrooms)?
Yes
No
I do not know
Not applicable
- 9b. Is the STEM curriculum in your school multidisciplinary to include integrated STEM lessons in all content areas (e.g., project-based learning, thematic units, flipped

classrooms)?
Yes
No
I do not know
Not applicable

10a. Does your school offer engineering courses or projects during the school day?
Yes
No
I do not know
Not applicable

10b. If your school does offer engineering courses or projects during the school day, what are these courses or projects (e.g., Engineering is Elementary, Project Lead The Way, etc.)?

11. Does your school offer STEM computer science activities, classes, or courses (e.g., coding, computer literacy, computer applications, etc.)?
Yes
No
I do not know
Not applicable

12. Is technology used throughout your STEM program as a tool to facilitate research, investigation, and design?
Yes
No
I do not know
Not applicable

13a. Are the students in your classroom regularly challenged by complex problems related to real-world scenarios?
Yes
No
I do not know
Not applicable

13b. Are the students in your school regularly challenged by complex problems related to real-world scenarios?
Yes
No
I do not know
Not applicable

14. What other STEM activities are offered to all students at your school during the school day (e.g., STEM field trips, science fair, STEM Day, etc.)? Please be as specific as possible:

15a. Are students in your school regularly involved in STEM competitions (e.g., chess, bridge building, Mathematics Olympiad, Future Cities, Bridge Building, Robotics, Career and Technical Education competitions, etc.)?

- Yes
- No
- I do not know
- Not applicable

15b. If students in your school are regularly involved in STEM competitions, please list these competitions:

16a. Are students in your school regularly involved in after-school STEM clubs or activities?

- Yes
- No
- I do not know
- Not applicable

16b. If students in your school are involved in after-school STEM activities, please list these after-school STEM clubs or activities:

17. What equipment and/or facilities are available at your school to support STEM education? Check all that apply.

- Animal Lab
- Computer Lab
- Earth/Space Science Lab
- Engineering Lab
- Experiment Stations
- Exploration Tables or Centers
- Gardens
- Life Science Lab
- Mathematics Lab
- Nutritional Center
- Observatory
- Outdoor Learning Lab
- Physical Science Lab
- Planetarium

Promethean/Smart/Active Boards
Science Library and Exhibits
Space Shuttle Simulator Lab
STEM Lab
Technology Lab
Wii Lab
1 to 1 iPads, iTouch, iPods, tablets
Shared iPads, iTouch, iPods, tablets
Other (please list as many as you can)

18. Does your school have a STEM coordinator/specialist?
Yes
No
I do not know
19. Does your state licensure department offer a STEM endorsement for a teaching license?
Yes
No
I do not know
- 20a. Do you have a business industry partner(s) involved with STEM education at your school?
Yes
No
I do not know
- 20b. If you do have a business industry partner, who is/are your business industry partner(s)?
- 20c. How does your business industry partner(s) participate in STEM education at your school?
21. Are professional development opportunities focused on STEM education available for you?
Yes
No
I do not know
Not applicable
22. What are the challenges of integrating STEM education into your school? Choose all that apply.
Lack of professional development opportunities

Lack of funding
Length of the school day/lack of time
Administration does not support STEM education
Other (please be specific):

23. Is there anything else that you would like to share?

Thank you for completing this survey!