

Redfield Foundation Report 2023-2024



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Background Information

The Career Quest program is an educational program designed to connect students in Northern Nevada with career opportunities in science, technology, engineering, arts, and mathematics (STEAM). This program has continued to expand since its inception in 2015, and the growth of this program is due to the continuous support of Envirolution's community partners. In the 2023-2024 school year, the Redfield Foundation contributed to supporting 8 Career Quest events for four different schools that are supported by the Redfield Community Outreach Program (RCOP).

With the funding and support from the Redfield Foundation, Envirolution was able to take students to the Tesla Gigafactory and Truckee Meadows Water Authority. At the Tesla Gigafactory, students are given an exclusive tour of the manufacturing processes, students listen to a presentation on career opportunities at Tesla, students participate in an activity in which they construct a simple version of a Tesla motor, and students eat in the Tesla cafeteria. At Truckee Meadows Water Authority, students are bussed to the Verdi Hydroelectric plant to learn about renewable energy and eat lunch, then students are bussed to the Chalk Bluff water treatment facility where they are given a tour of the water treatment process and then watch demonstrations of the water treatment process. Envirolution was planned to take Mamie Towles to Click Bond, an aviation adhesive manufacturing company, however, this trip was canceled by the teacher due to poor behavior.

The Impact of Redfield's Support

With the support of Redfield, Envirolution was able to carry out 7 out of the 8 events scheduled. The last event was canceled due to student behavior. The 7 events brought 175 students from Hidden Valley Elementary, Mamie Towles Elementary School, Cold Springs Middle School, Dilworth Middle School. Attending Career Quest events helps students gain interest in fields pertaining to the industry that the students visited. According to the pre-survey and post-survey data, Career Quest events helped increase the students' interest in engineering, technology, and mathematics. Data from the events is displayed in Figures 1-4.



Students from Dilworth Middle School at Tesla (left) students from Mamie Towles Elementary School at Truckee Meadows Water Authority (right)

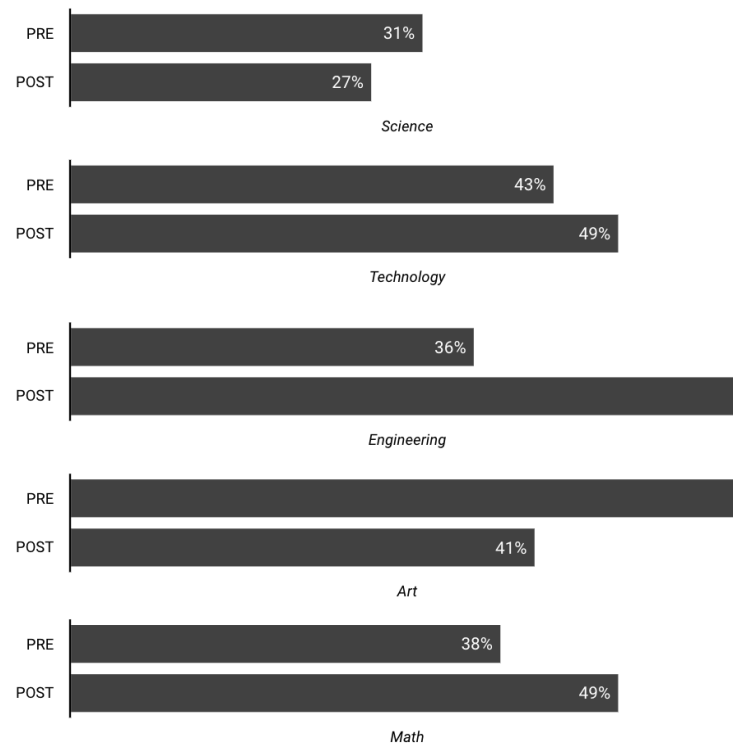


Figure 1 shows interest in science, technology, engineering, art, and math before and after attending Career Quest

I enjoyed my experience at Career Quest	POST %
Strongly Agree	34%
Agree	41%
Neutral	12%
Disagree	5%
Strongly Disagree	7%

Figure 2 shows that 75% of students agreed or strongly agreed that they enjoyed their Career Quest experience

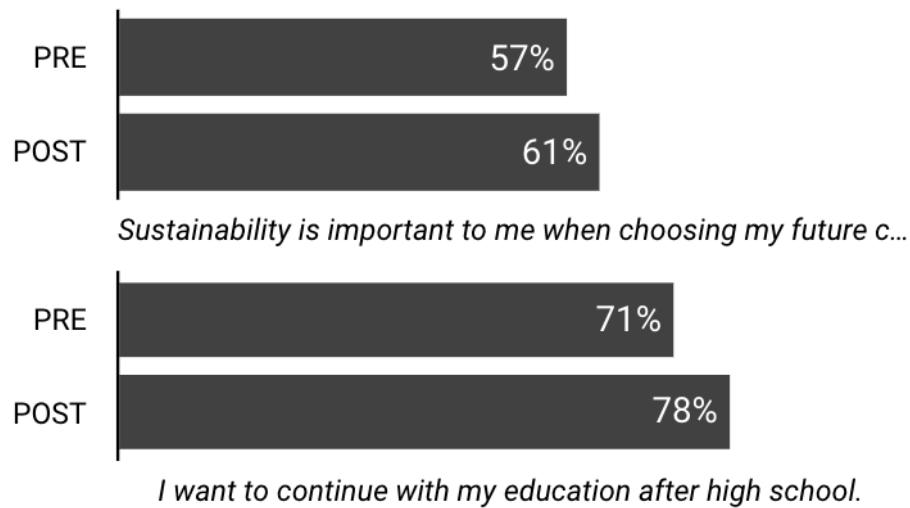


Figure 3 shows importance of sustainability when choosing a career and interest in continuing education before and after attending Career Quest (respectively)

Ethnicity	%
Hispanic, Latino, or Spanish Origin	29.92%
White	25.98%
Two or More	21.26%
Black or African American	7.87%
Other	7.09%
Asian or Asian American	4.72%
American Indian or Alaskan Native	2.36%
Native Hawaiian or Pacific Islander	0.79%

Figure 4 shows the ethnic composition of students from the RCOP schools that attended Career Quest events

Student Quotes

When asked “How did this event change your thoughts about your future career”, students from participating Redfield schools said the following quotes.

- *“I have thought more about what I want to be, and how I think it's cool how these cars are made. It also has made me more interested in engineering. I think it's so cool how people come up with these Ideas and make it a reality.” Elementary School student after a Career Quest to Tesla*
- *“Attending career quest impacts my thoughts on my future career and gave me many more options. when I went to tesla I wanted to work there when I am old enough to. I want to get a degree in engineering so I can work a tesla.” Elementary school student after a Career Quest to Tesla*
- *“It helped me know that I can be anything.”- Elementary school student after a Career Quest to Truckee Meadows Water Authority*
- *“Attending this career quest has made me think about working at tesla. I like that they build cars, trucks, semi-trucks. I want to work there so that I can build things.”- Elementary school student after a Career Quest to Tesla*
- *“Attending Career quest impacted my thoughts on my future career by helping me find out what i'm interested in and widened my opportunities for the future.” -Middle school after a Career Quest to Truckee Meadows Water Authority*
- *“Even if I don't go to college there's still many other option and opportunities out there for me”- Middle School student after a Career Quest to Tesla*

Future Improvements

Career Quest continues to expand and develop, it is important to evaluate and assess the program to ensure the highest quality program is being delivered. The following areas are the focus points for improvements to Career Quest events for the 2024-2025 school year. Envirolution is more than willing to meet with the Redfield Foundation to discuss a continued partnership and to add more improvements to the program.

1. Improve each Career Quest presentation to add information about tuition assistance programs and how to stay connected with the business after each Career Quest
2. Improve the pre-survey and post-survey to enhance the data captured by focusing on measuring: student knowledge of what the industry partner does, student knowledge on career paths, and other metrics unique to each industry partner
3. Restructuring recruitment strategies to ensure that Title 1 schools and students of underrepresented populations are more represented in the Career Quest program

A Personal Thank You

I wanted to personally thank the Redfield Foundation for partnering with the Career Quest program. It was such a delight to work with the RCOP students and teachers. I can say from personal experience that this program makes such a big difference to students. I have seen so many students become inspired to work at places they never thought they would fit into prior to Career Quest. Even if students are not interested in the field, they still enjoy seeing what lies in their own communities. I would like to personally thank Jen Clark for her organization and connection to the RCOP schools. Redfield's support to Envirolution was imperative to the success of the Career Quest program, and Envirolution looks forward to a continued partnership with the Redfield Foundation. Please do not hesitate to reach out with any questions or future collaboration opportunities.



Cold Springs Middle School students at Tesla (left) Dilworth Middle School Students at Truckee Meadows water Authority (right)