

Ormat Report 2023-2024



ORMAT®



Submitted to: Marisol Collons, Mario Martinez, and Ormat Staff
Submitted by: Elizabeth Guillen, Events Manager at Envirolution

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, Ormat became Envirolution's newest Career Quest destination. Envirolution and Ormat served 47 students from 3 schools over 3 events.

The Ormat Career Quest events have multiple educational components to enhance the student experience. Each event has students listen to a presentation regarding the history and operations of Ormat, students participate in a hands-on activity that demonstrates how pressure differentials are used in the geothermal energy industry, and students are given a tour of multiple components of the Ormat Steamboat Hills facility. Envirolution was able to expand Career Quest to Ormat as part of a one-year grant from the EPA to promote the growth of geothermal energy in Nevada.



Pictured Above: Middle School Students from Pinecrest Academy of Northern Nevada at Ormat Steamboat Hills

The Impact of Ormat's Support

The 2023-2024 school year hosted 3 events at Ormat which brought 57 students from 3 different schools to Ormat's facilities. Additional data about the participating demographics can be found in Figures 1-5.

Ethnicity	%
White	62.79%
Two or More	18.6%
Asian or Asian American	6.98%
Hispanic, Latino, or Spanish Origin	6.98%
American Indian or Alaskan Native	2.33%
Black or African American	2.33%

Figure 1 shows the ethnic composition of the students who attended Career Quest at Ormat

Additional Statistics on Students Served

% of Students on an IEP	17%
% of Students that are English Learners	9%
% of Students who are Eligible for a Free and Reduced Lunch	37%

Figure 2 shows additional statistics on the participating students of Career Quest at Ormat

***Note- IEP: Individualized Educational Plan for special education students*

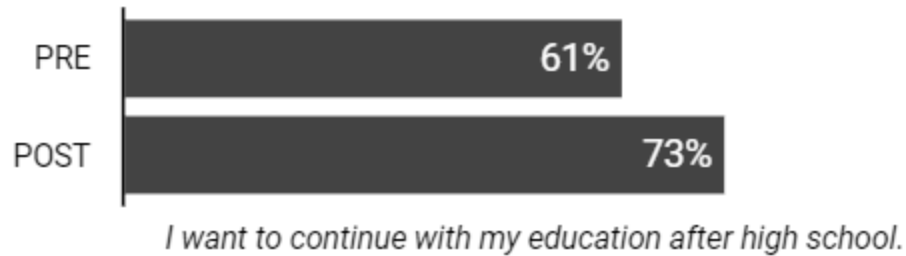


Figure 3 shows students' attitudes towards continuing education before and after attending Career Quest at Ormat

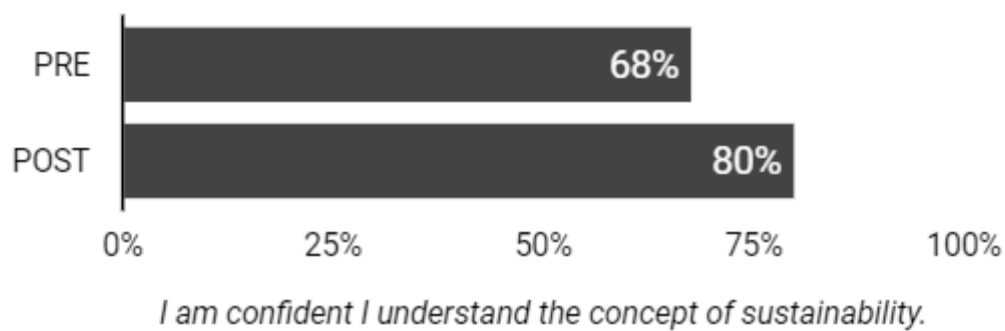


Figure 4 shows students' attitudes regarding understanding sustainability before and after attending Career Quest at Ormat



Figure 5 shows students' attitudes regarding understanding the event quality of Career Quest at Ormat
 *Note "Disagree" and "Strongly Disagree" are options that no students selected

Student Quotes

When students were asked on the post-survey “How did this event change your thoughts about your future career”, they had the following responses after attending Career Quest at Ormat.

“Attending Career Quest has made me think of sustainability while looking for a future job. Over time my thoughts have evolved into thinking more about sustainability while thinking of a future career. At the start I didn't really have much thought about sustainability but now I think of sustainability while thinking of the future. Overall I think that attending Career Quest has had an impact over my thoughts about my future career.”- Middle school student

“It helped by showing me more job opportunities. It helped by showing what these paths can do. It helped by showing me what these careers look like.”- Middle school student

“It made me change the way I look at geothermal plants. Because it is not all engineering. Also it is a big job. Also it is a world wide organization.”- Middle school student

“This is an impact because if I do want to work there I know where to go. it helped me figure out how to dig into the faults. it also gave me a idea about what I want to do when I am older.”- Middle School student

“It impacted my thoughts because before I was not interested in this topic at all. Now that I have learned more I am more interested in topics like this because of the field trip. It also impacts your thoughts by teaching how, and why. So my thoughts about the topic were definitely impacted.”- Middle School student

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 at Ormat for the 2024-2025 school year.

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
4. Centering the Career Quest events at Ormat to include more conversations on the importance of promoting geothermal jobs specifically in Nevada and encouraging students to pursue higher education with majors regarding geothermal energy and renewable energy

A Personal Thank You

With the conclusion of Career Quest for the 2023-2204 school year, I wanted to personally thank all of the Ormat staff for their involvement with this program. I can personally attest to the impact that this program can have on students. Students are so impacted by seeing all of the amazing work that Ormat does in the Nevada community. The passion that the Ormat staff has for their mission is contagious, and I see students engaged with the passion of your mission at every event at Ormat. I wanted to personally thank Marisol for being so flexible with this program and for always bringing a positive attitude to each event. The Ormat staff holds a level of engagement and professionalism that makes these events impactful to students. I look forward to our continued partnership in the next school year.

- Liz Guillen



Pictured Above: Students making observations at Ormat