



Dedicated to enriching STEAM education in SALT LAKE CITY

We at Carollo are passionate about teaching young people that science and technology is in everything we do, every day.



We advocate for investing time and resources in **STEAM** education as one of the most effective ways to build a secure socio-economic environment for everyone.

We feel that it is everyone's job—not just teachers—to spark a sustained level of excitement for science and engineering in the minds of young people.

We subscribe to the principles of selflessly giving back to youth as a way to ensure our community's growth potential and quality of life.

We lead by example in developing partnerships and initiatives that will advance this cause and compel our youth to become engaged in their communities.

REFUGEE 4-H STEAM PROGRAM - H₂O CLUB

Carollo Salt Lake City (SLC) helped develop and participate in a water STEAM program for refugee children, ages 8-14. We teamed with Central Utah Water Conservancy District (CUWCD), Salt Lake City Department of Public Utilities (SLCDPU) and Utah 4-H who helped with experiments and presentations. The goals were to: 1) Provide opportunities for engineers to give back to their communities in a meaningful way; 2) Introduce youth at the refugee center to STEAM careers; and 3) Lower the use of bottled water by refugee youth by providing hands-on experiences about tap water safety, proper hydration, and environmental stewardship.

The Refugee "H₂O Club" met once a week for six weeks and ended with a tour of the Big Cottonwood WTP. The kids loved making their own filters and performing water treatment sample jar tests. Many of the children came from countries where tap water is not safe to drink. By the end of the program, the kids had more confidence in Salt Lake City's tap water.



"LIBRATORY" STEAM EVENT AT THE OREM LIBRARY

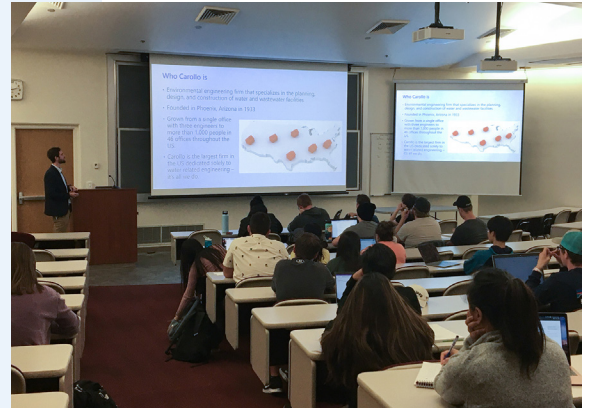
The Orem Library hosted a "Libratory" event for 200 to 250 kids to cycle through 10 different hands-on science and engineering stations. Volunteers



from Carollo SLC ran one of the stations called, "Recycling Water," where we used a tabletop filter to demonstrate large particle removal through sand, and color removal through ion exchange. The kids loved mixing water, potting soil, and food coloring and pouring the gross concoction through the filter to get clear water again!

PRESENTATION TO UNIVERSITY OF UTAH CVEEN 1000

In 2020, a process engineer from the Carollo SLC office presented to a class of approximately 50 engineering students at the University of Utah. His presentation gave students a glimpse into a “day in the life” of an environmental engineer, specifically talking about design of drinking water and wastewater treatment facilities. He highlighted what engineers do best, i.e., create solutions to complex problems, discussing challenges at a local water treatment plant after a devastating fire and subsequent rainstorms, and their impact on water quality. Presentations offer a great opportunity to communicate with students about the niche field of water treatment and to promote student interest in pursuing a career in environmental engineering.



STEM FAIR AT BONNEVILLE ACADEMY

Carollo Cares SLC demonstrated “Filters in Action” to over 50 students and parents at a STEAM fair at Bonneville Academy in Stansbury Park. The students helped mix potting soil and food coloring into tap water, and poured it through our demonstration filter. The filter has a two-step process: the first step is a dual media filter, using anthracite and sand to remove most of the insoluble particles in the water; and the second step is an ion exchange resin, which removes the color. Parents and kids were amazed at the clarity of the water and it was a great opportunity to talk to parents, teachers, and students about how our local water is treated.



LOOKING FORWARD WITH CAROLLO CARES



Water is our most valuable resource - it sustains life, maintains healthy ecosystems, and supports thriving communities. Carollo is committed to continued involvement in STEAM and the education of our local youth about the importance of clean water systems and their impact on the environment.

In the future, Carollo will continue to explore opportunities where we can inspire our youth and add value in our communities.

Carollo Cares is part of Carollo's corporate commitment to giving back to the areas we serve. Through this program, we can be responsive to each community's unique needs, benefit our employees, and provide educational opportunities that align with our mission of Working Wonders with Water®!



VISIT US AT:
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