



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.



Texas

Dedicated to Enriching **STEAM** Education



Dallas/Fort Worth ISD STEM Expo

The Dallas and Fort Worth offices hosted a booth at the Dallas ISD STEM Expo. This expo is the largest STEM expo in Texas and allows students/families to learn about and participate in STEM related activities. The booth had a range of hands-on activities demonstrating the overall water treatment process, filtration process, and water conveyance. The water treatment process was demonstrated with a mini water treatment plant model created by the Dallas office. The model included mini-DC motors to pump water, straws for piping, and cups at different elevations to show drainage by gravity. Students used stretchy and flexible piping to get water from one location (treated water storage tank) to another location (homes/business). Over 750 students participated in the activities at Carollo's booth.



Fort Worth Jerry Knight STEM Academy

The Fort Worth office presented to 80 junior high school students at Jerry Knight STEM Academy on the importance of pumps and how they are used in everyday life. This presentation included demonstrating how pumps are used in various scenarios, specifically pumps in parallel and series, and competing in relay races using the pumps.

Dallas

Dallas Water Utilities/ Dallas ISD

The Dallas office partnered with Dallas Water Utilities (DWU) and NAF Academy to host a tour of Central Wastewater Treatment Plant for Dallas ISD High School engineering students from Bryan Adams High School, Skyline High School, and H. Grady Spruce High School. 50 students learned about the wastewater treatment plant from a presentation by DWU and Carollo Engineers. The students were given a tour of the plant by DWU plant operators. The students learned about careers in water engineering and finished their day at the plant with a Kahoot game to test their wastewater treatment knowledge. The students had a blast!



El Paso TechH2O

The El Paso Office was invited to the TechH2O Event by El Paso Water to inspire STEM interest in kids of all ages by creating and sharing a hands-on activity. This activity was a “water cycle” experiment, which involved using shaving cream, water, and food coloring. Shaving cream was used to create clouds and the food coloring was dropped in the shaving cream until it was heavy enough to fall through the clouds demonstrating precipitation. Over 200 students and parents participated in the activity.



Houston Water Works Festival

Houston Public Works hosted their popular Water Works Festival on Earth Day to bring interactive exhibits to **Discovery Green** to educate families about the vital natural resource, water. This event was open to all ages and had 40,000 visitors. Attendees learned about the City's water supply, water and wastewater treatment systems, conservation efforts, drought plan, stormwater, and more. The Houston office hosted a booth at the event and stayed very busy with a steady flow of kids/parents as they demonstrated a water filtration event. The activity included sand, activated carbon, fine gravel and coarse gravel in the order of the filtration process to make it easy for the kids to follow and many were very excited to participate and asked many questions.



ONGOING OUTREACH

- **STEM in Your Backyard**, a program bringing pocket-sized events to neighborhoods and provides access to free STEM experiences by bringing the spark of science directly to communities.
- **Women in STEM** – Carollo participates as a panelist at this event geared for middle and high school girls to celebrate STEM. The event is hosted by SDG&E and provides a space for girls to be inspired by women who are moving the needle in STEM.



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:

carollo.com/community/carollo-cares