



## *Dedicated to enriching STEAM education in DENVER*

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.

The Carollo Cares Program is our commitment to helping our clients and communities educate students and young people about water-related issues, with the hope of encouraging future generations to implement solutions that strengthen the resiliency of our environment and water supplies.

### GIRLS EXPLORING SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH (GESTEM)

For the past several years, Carollo's Denver offices continue to host a "Working Wonders with Water" workshop at the Girls Exploring Science, Technology, Engineering, and Math (GESTEM) event. GESTEM is a free, annual event held in Denver specifically for 7th grade girls and is geared to inspiring them by introducing them to career opportunities in science, technology, engineering, and math fields. Participants engage with local STEM professionals in three hands-on workshops where they have the opportunity to learn about STEM careers in a fun and interactive environment. Carollo's workshop involves a water treatment presentation, treated water sample jar testing, and a hands-on activity where students make water filters. To initiate the competition, the students compare results by testing the turbidity (i.e., cloudiness) of their filtered water. A handful of local water and wastewater utilities also participate and donate supplies contributing to the workshops' success.

Shown below: Carollo Cares volunteers help students measure the turbidity of their filtered water. The team with the lowest turbidity won a prize. Unfiltered water is added to a team's DIY filter with various types and layers of filtering material.



## STEM SUPPORT IN LOCAL CLASSROOMS

Carollo Engineers continues its commitment to support local educators with collaboration in the classroom. These on-site visits by our engineers provide a venue for students, educators, and professionals to demonstrate programs, projects and practices in an effort to enrich STEM education. Our programs include lessons and hands-on activities to teach students about water and wastewater treatment, the water cycle, and water conservation. We strive to inspire students to become innovative and creative thinkers by fostering excitement and interest in the fields of science, technology and engineering.



## INTERNSHIP AND JOB SHADOWING FOR HIGH SCHOOL STUDENTS

Carollo supports the Denver's Legacy 2000 job shadowing and internship program. Legacy 2000 is designed for students who have an interest and ability in science, technology, engineering, and math (STEM). Students focus on technical writing, research, public speaking and networking, all in an environment of rigorous expectations and professionalism. L2k students go on to complete a 20-hour job shadow during their junior year and a 40-hour internship during their senior year in a field in which the students have interest. Carollo most recently hosted a student who had the opportunity to work alongside engineering and CAD staff and gained practical experience in 3D modeling.

## 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](http://carollo.com/community/carollo-cares)

303.635.1220 | [carollo.com](http://carollo.com)