



SCIENCE & TECHNOLOGY EDUCATION PARTNERSHIP™

ABOUT THE 2023 STEM SUMMER LEARNING LABS

The STEM SUMMER LEARNING LABS offer at no cost to high school students hands-on learning experiences focused on exciting and high-paying career opportunities utilizing STEM. Working in teams, students gather information the first three days of each week about the jobs done by various professionals in our community. Each Thursday, the teams complete a Design Challenge Project to present each Friday to a panel of judges. Each week, the First Place Team shares an award of \$1,000, the Second Place Team Shares an award of \$750 and the Third Place Team shares an award of \$500.



STEM In Public Utilities will be conducted July 10–14 in partnership with Riverside Public Utilities, Elsinore Valley Municipal Water District and the California Baptist University College of Engineering. The program is focused on the science of keeping our power and water safe and secure. On Monday, students will learn about the "We Are All Designers" process to develop their Design Challenge Project and the "Assertion Evidence" presentation method that will facilitate their team's project presentation on Friday. On Tuesday and Wednesday, the students will tour Riverside's Wastewater Treatment Plant and Peaker Plant that uses four large jet engines to generate extra power as well as visit the Elsinore Valley Municipal Water District's water purification facility.

STEM in Law Enforcement and Public Safety will be conducted July 17-21 in partnership with the Riverside Police Department, Riverside Fire Department and the California Baptist University's School of Nursing. Students will learn about how STEM is utilized in collecting crime evidence, about forensics used to determine the cause of fires and about the jobs of Emergency Medical Technicians who provide medical assistance. Examples of winning Design Challenge projects presented by prior student teams include using drones for police and fire reconnaissance as well as the use of a 3-D printed cord holder to keep the wires used with EKG equipment from getting tangled. Students are encouraged to be creative in developing their Design Challenge project.



STEM Solutions will be conducted July 24-28 in partnership with UC Riverside. This year, the week is focused on the sustainability of our food chain and research being done to improve the drought tolerance and disease resistance of our crops. Participation in one or more of the STEM Summer Learning Labs is a valuable experience to include in college applications and resumes when applying for jobs. To enroll in one or more of these programs, please scan the QR code on the accompanying flyer and follow the link to register. Enroll early because the seats are limited each week to the first 60 students who complete the enrollment process. You will make new friends, learn about excellent career opportunities, and have lots of fun!

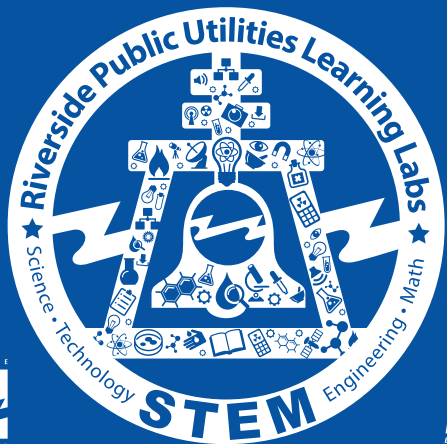
2024 SUMMER LEARNING LABS

Focused on Careers in STEM

July 8 - 12

STEM PULL

STEM Public Utilities Learning Labs



July 22 - 26

STEM SOLUTIONS

Science • Technology • Engineering • Math



July 15 - 19

STEM LEAPS

STEM In Law Enforcement & Public Safety



Riverside and Alvor
School Districts

2 Parallel
Program Locations

Riverside County and
San Bernardino County

July 22 - 26

STEM I AM

STEM In Advanced Manufacturing



DESIGN CHALLENGE PROJECTS

Work in Teams of 5 - No Cost to Participants

Registration
Requirement:
Student must have
completed
9th grade

Prizes shared by Winning Teams:
\$1,000 for First Place
\$750 for Second Place
\$500 for Third Place



For more information
and registration visit:
<http://www.step-stem.org/>

For questions call
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