



**SCIENCE & TECHNOLOGY**  
EDUCATION PARTNERSHIP

**IMPACT REPORT**  
**2023**

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# SPECIAL THANKS

It is with immense gratitude and our greatest appreciation that we acknowledge the sponsors and partners that make this work possible. Without their commitment to our community, STEP's ability to transform communities to create opportunities for all young people would not be possible.

## Atom PLUS Sponsors



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# SPECIAL THANKS

*In-Kind Sponsors*

It is with immense gratitude and our greatest appreciation that we acknowledge the In-Kind Sponsors that make this work possible. Numerous volunteer hours were donated as well as staff and resources. Without these partners, our ability to transform communities to create opportunities for all young people would not be possible.

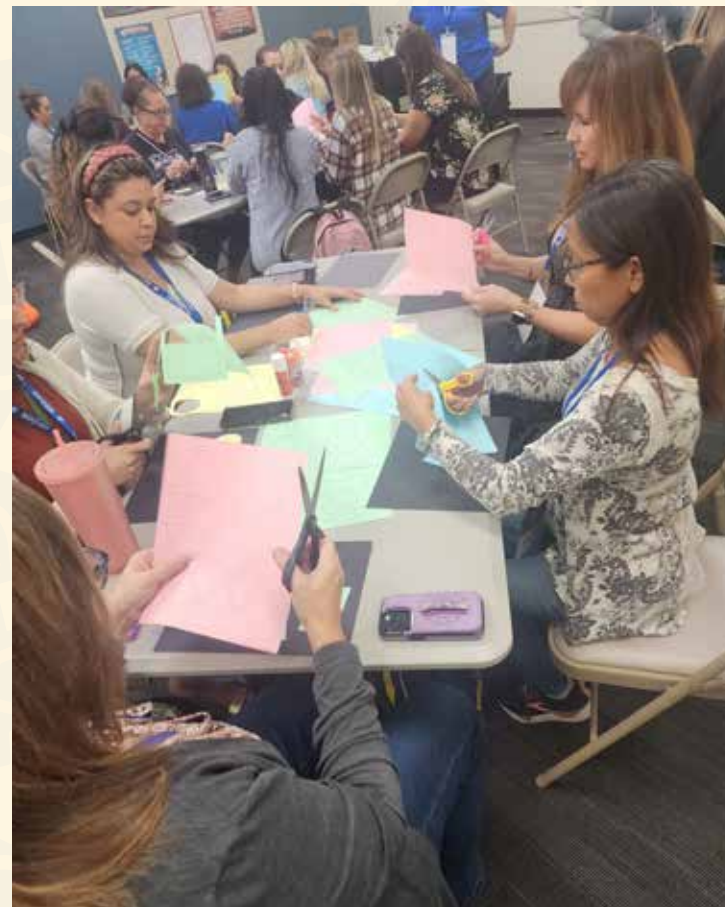


The Mission of STEP is to inspire K-12 students to pursue STEM education and STEM careers. STEP follows the adage that the best way to experience career opportunities is to “walk a mile in the shoes of a person working in that career.” STEP achieves its Mission at two levels:

STEPCON for STUDENTS, held each October, provides STEM experiences to K-12 students and educators, which include a Science Show, STEM exhibit booths, presentations, and workshops. STEPCON for EDUCATORS provides teachers and administrators with tools to make STEM subjects more interesting and relevant. In November of 2023, we added another component, STEPCON for COUNSELORS, dedicated to providing counselors with STEM education roadmaps to guide students in preparing for STEM educations, focused on math, the “language of STEM.”

The STEM Summer Learning labs are week-long STEM summer camps, which provide extended learning experiences for ninth grade to twelfth grade students to learn about STEM careers in their community in the areas of policing, fire-fighting, public utilities, manufacturing, and developing solutions to community problems with 40 program hours per participant per program. In 2023 we added another STEM summer learning lab, STEM IN DEFENSE (STEM ID) dedicated to engaging students in information technology needs such as artificial intelligence, machine learning and cyber security. In 2023 we also add-

ed two academies dedicated to 5th & 6th grade students (PATTERNS, PUZZLES, & PRACTICES) and 7th & 8th grade students (STEM FUNDAMENTALS) to encourage them to learn the skills they will need for rigorous STEM majors.



Educator STEPCon23, Workshop, Riverside, CA

Pictured on the right: Student STEPCon23, Science-on-Stage, Riverside CA

# OVERVIEW





# HISTORY

For 24 years, the STEP Conference has provided K-12 students with exciting opportunities to engage with STEM professionals and various careers available in the Riverside and San Bernardino Counties of Southern California. The STEP Conference (now branded as STEP CON - STUDENT) has included a Science Show conducted by engineers from General Atomics located in San Diego. The Science Show demonstrates many fundamental scientific principles and engineering applications in a way that reaches audiences of all ages. In addition, students experience a variety of exhibit booths showcasing various STEM careers, including the Navy, Police Department, Fire Department, Public Utilities, Engineering, Manufacturing, Environment, Education, Medical, and Technology. At these booths students interact with STEM professionals and

learn how STEM skills are used in various careers in their communities. Pre-COVID, the STEP Conference was held in person over a two day period for 5,000 students from throughout Riverside and San Bernardino Counties. Overcoming COVID isolation in 2020, STEP moved to an entirely online virtual experience. As a result, we saw our attendance numbers triple to almost 15,000 with global reach! Post-COVID, we have adopted hybrid programming to include more under-served students throughout the two counties Inland Empire.

In 2017, the full-day STEP Educator Conference (STEP CON - EDUCATOR) was developed to provide outstanding STEM education tools and professional development for educators. In 2023, we introduced STEP CON - COUNSELOR, focused on

providing K-12 counselors education roadmaps to help students plan their classes depending upon their career interests. These conferences are intended to inspire educators and counselors to further develop their knowledge of best practices for advising students on how to make the best use of time invested in their education. Keynote speakers from throughout the country, along with local educational professionals provide inspiration and information. However, the highlight of the events are the student scholarship winners who share how they were inspired by educators and counselors to prepare for their career in STEM.

Beginning in 2017, the STEM Summer Learning Labs were developed in partnership with the Riverside Police Department and Riverside Fire Department (STEM LEAPS). Since then, we have developed the following week-long experiential programs: STEM in Public Utilities (STEM PULL), STEM in Advanced Manufacturing (STEM I AM), STEM In Advanced Manufacturing (STEM

I AM), STEM In Defense (STEM ID), and STEM Solutions focused on sustainability and the environment. These programs provide ninth through twelfth grade students 40 hours of hands-on learning focused on STEM careers. During each week, teams of students use an engineering design process called "We Are All Designers" to develop and then present a STEM project based on the information they learned. Student teams are awarded cash scholarship prizes for each program's top three teams. These programs provide excellent opportunities to "Test Drive" prospective STEM careers while they develop valuable professional skills.

**"We are all designers."**

The Inland Empire (locally known as the I.E.) is a region in Southern California; an urban and metropolitan area centered around the cities of Riverside and San Bernardino. The Inland Empire is located east of Los Angeles County. The Inland Empire is sometimes considered coextensive with the federally-defined Riverside-San Bernardino-Ontario metropolitan area, which covers more than 27,000 square miles (70,000 km<sup>2</sup>) and is part of the Greater Los Angeles area.

Home to over 4 million people the metropolitan area consists of Riverside County and San Bernardino County, is the 13th most populous metropolitan area in the United States, and the third largest in the state of California.

At the end of the 19th century, the region was a major center of agriculture, including citrus, dairy, and wine-making. Agriculture declined through the 20th century, and since the 1970s a rapidly growing population, fed by families migrating in search of affordable housing, has led to more residential, commercial, and industrial development.

There is a trend of lower educational attainment in the IE, which starts early. Only 37 percent of 3- and 4-year-olds in the region are enrolled in preschool, with only one school in the region for every 343 children, as compared with 48 percent enrollment in San Diego County. Thirty-five percent of the IE's ninth graders do not graduate from high school, and only 37 percent of its college age residents enroll in a post-secondary education program of some sort. Only 24 percent of the IE's adult residents have attained a college degree or better. Twenty-five percent do not possess a high school diploma. According to past CSUSB President Al Karnig, "We have a very low college attendance rate that is scantily above half of what the average is in other states. We only have about 20 percent of college graduates in the Inland Empire while the average in other states is 38 percent." 21 inland area high schools rank in the top 100 in California for producing dropouts.

The Inland Empire area is one of the least educated areas of the state with the lowest average

annual wages in the country. A 2006 study of salaries in 51 metropolitan areas of the country ranked the Inland Empire second to last, with an average annual wage of \$36,924. Nonetheless, inexpensive land prices and innovative institutional support networks have attracted some small businesses and technology startups into the area. While urbanization continues to cut into agricultural lands, the Inland Empire still produces substantial crops. Although 10,000 acres (40 km<sup>2</sup>) of irrigated land was lost between 2002 and 2004, agriculture still brought in more than \$1.6 billion in revenues to the two-county region in 2006.

While these statistics are discouraging, there are many rays of light. The City of Riverside is very fortunate to have four institutions of higher education, the University of California, Riverside; California Baptist University, La Sierra University and the Riverside Community College District. Similarly, the San Bernardino area has California State University, San Bernardino, San Bernardino Valley College, Loma Linda University, Crafton Hills College and the University of Redlands. STEP appreciates the opportunity to partner regularly with many of these colleges and universities for its programs. Many of our students have not set foot on a college campus, but when they visit them for a STEP program and have lunch in the cafeteria, they can get a first-hand impression of the campus and sense what it feels like to be a student there. These experiences are very helpful to students as they plan their education pathways.

The Inland Empire is further blessed with supportive city governments and agencies. We could not have started the STEM in Law Enforcement and Public Safety Summer Learning Labs without the encouragement and support of the Riverside Police and Fire Departments and the leadership of Gina Perez from the Riverside Fire Department and Jennie Pauli from the Riverside Police Department. The success of STEM LEAPS encouraged Riverside Public Utilities to join with STEP to create our STEM in Public Utilities Learning Labs (STEM PULL), bringing the talent to create our on-line programs by RPU's Damaris Velez and Sharon Gutierrez.

STEP brings together leaders in Education, Business and Government to create innovative education solutions to encourage Inland Empire Students to explore career paths and learn about the education required for their careers of interest. We are thankful that Yami Shimojyo, Coordinator for STEM education in Riverside County serves as Vice President for STEP and Kim Terry, STEM Coordination for San Bernardino County provide valuable direction for our STEP programs.

The STEP Board and Program Planning Committees are pleased to share with you highlights of our achievements in 2023 and look forward to your continued support in 2024.



## OUR TARGET COMMUNITY & BEYOND

# STEP BOARD CHAIRMAN

## GORDON BOURNS CHAIRMAN & CEO, BOURNS, INC.

Gordon Bourns serves as the Chairman and CEO of Bourns, Inc., a family-owned electronic components manufacturing company headquartered in Riverside which also promotes STEM education. Bourns was co-founded in 1947 by Gordon's parents, Marlan and Rosemary Bourns, in their Pasadena, California garage. Marlan was the inventor and builder while Rosemary was the administrator and bookkeeper.

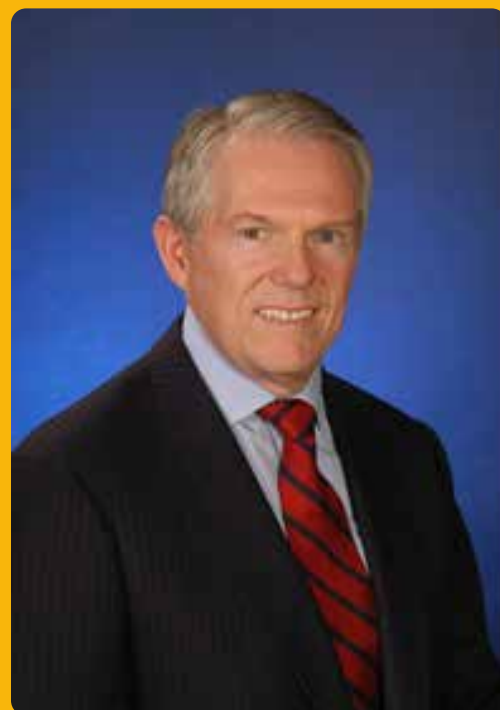
Gordon enjoys taking students on tours of the exact replica of his parents' garage located in the courtyard of the company's Worldwide Headquarters in Riverside. It houses the drafting table Marlan made and used to design the aerospace sensors used by many of the aircraft companies. Beside it is the desk Marlan and Rosemary made from a shipping crate, where Rosemary kept the books and typed up the product information and invoices on a manual Underwood typewriter.

Across from Rosemary's desk is the kitchen's oven they used together with their refrigerator to do the hot and cold temperature testing of their early aircraft instruments. On a workbench to the left of the oven are several of the original linear motion potentiometers they designed and manufactured, which indicated to the pilot the position of the rudder and elevators. Beside them are two accelerometers which indicated the aircraft's acceleration and an angle of attack transducer, which measured the aircraft's position in relation to the air it is flying through.

After seeing and touching the history of the company, Gordon concludes the tour by telling students, "My parents were delighted when, in July of 1969 the Apollo 11 astronauts landed on the moon using the landing control made by Bourns and as they walked on the moon, the air they breathed and filled their space suits made by Bourns right here in Riverside. This is an example of how, with good ideas, hard work and an excellent team, you can go from a garage to the moon in 22 years." Link to tour of Bourns Garage: <https://seekbeak.com/v/KNj99O7YjxB>

In addition to serving as the President of the STEP Board, Gordon serves on the UCR Foundation Board, the Cal Baptist University Board of Visitors, the STEM Academy Foundation Board and the Woodcrest Christian School System Board. Gordon and his wife, Jill, have been married for 45 years and are blessed by their four children, three son-in-laws, a daughter-in-law and eight grandchildren. Gordon says he is really a kid at heart when it comes to STEM.

STEP is very fortunate to have an excellent team of volunteers who are passionate about providing students with excellent educations, including windows to see great careers in STEM.



## STEP BOARD EXECUTIVE OFFICERS & DIRECTORS

### EXECUTIVE COMMITTEE



Yamileth Shimojyo  
Riverside County  
Office of Education



Brian Hawley  
Luminex Software, Inc.



George Hoanzl  
Jaguar Computer  
Systems, Inc.



Louis Goodwin  
Fifth Third Bank



Cindy Roth  
Greater Riverside  
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Kim Terry  
San Bernardino County Schools

Casey Dailey  
Inland Regional Energy Network

Dennis Sonney  
CA Manufacturing Technology

Phil van Haaster  
Gordon and Jill Bourns College of  
Engineering, CBU

John Fishell  
Attorney, Retired

Chuck Casey  
Riverside Public Utilities

Mike Bravo  
Motorola Systems

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Riverside County Office of Education

Dr. Kim A. Wilcox  
University of California, Riverside



SCIENCE & TECHNOLOGY EDUCATION PARTNERSHIP™

**9,054** KIDS  
Participated in our hybrid STEP programs



EDUCATORS **414**



Engaged in STEM learning

**36,668** Hours of STEM Education



**200+**

Sponsors – Partners  
Exhibitors – Volunteers

Inspiring students to pursue careers in STEM

# OVERALL IMPACT

# PICTURE OUR PROGRAMS!



## STEM SUMMER LEARNING, 2023

College Mentors during STEM and STEM I AM student participants pitching their idea to STEM judges.



## STEM SUMMER LEARNING LABS, 2023

Participants during STEM Solutions engaging in a hands-on activity with partners at UCR.



## STEM SUMMER LEARNING LABS, 2023

College mentors and participants during STEM Pull at CBU.





# SUMMER LEARNING LABS 2023

For the past nine years, STEP has conducted its STEM Summer Learning Labs for students from grades 9 to 12. Based upon the Kaizen Week process (Kaizen means good change in Japanese) used at Bourns, Inc., an electronics company headquartered in Riverside, students participated in up to three one-week long programs starting on Monday, July 10 and lasting until Friday, July 28. Over half of the students participated in all three weeks of the 2023 STEM Summer Learning Labs, with the ratio of girls to boys being about 50/50 each week.

During the first day of each week, the students are divided into teams of four to six students and then are taught methods for gathering information, analyzing it and developing it into a project proposal that they will present to a panel of professional judges that Friday. On the second and third days, they meet with professionals in their work environment to see how they utilize STEM in their jobs as they follow their

chosen career paths. The students then brainstorm and develop their project proposals to improve the safety or effectiveness of the professionals through the better utilization of STEM. The students may choose to contact their professional resources to gather more information and ask for feedback about their ideas for their project. On Friday of each week, all the teams present to a panel of professional judges in the aptly named "STEM Design Challenge Competition." The first place team shares \$1,000 in scholarship funds, the second place team shares \$750 and the third place team earns \$500 for their efforts.





STEM PULL Students:  
1st, 2nd and 3rd place winners

## STEM PULL

The first week, July 10 to 15, STEM Public Utilities Learning Labs (STEM PULL) was conducted for 49 students by STEP in partnership with Riverside Public Utilities, and Elsinore Valley Municipal Water District. The week was focused on the careers of our public servants and the STEM tools they use to keep our water and power safe and secure. Activities included touring, the Riverside Energy Resources Center (Peaker Plant), water supplies and facilities of EVMWD. A highlight was learning how much security is needed for protection of our water facilities, and not just in manpower alone, but in the electronics used on site and that there is a growing need for cybersecurity in every field of work due to our society's reliance on technology.

## STEM ID

On Wednesday, July 19, our pilot program for STEM IN DEFENSE (STEM ID) provided 12 school students a hands-on learning experience focused on exciting and well-paying career opportunities in cyber security, data science and defense. The 2023 pilot program paved the way for our 2024 week-long program in which 20 students will be embedded for one week in the innovative new TechBridge facility, the NAV SEA Naval base in Norco and the University of California, Riverside. Activities include interactive meetings with civilian and military resources about the role STEM plays in the defense of the infrastructure of our communities and our nation from cyber threats and inferior data science capabilities. At NAV SEA, the students will learn how military research is key to the development of new technologies and systems that benefit educational institutions and industry while providing excellent military and civilian careers. The new UC Riverside Data Visualization Laboratory will immerse the students in sessions on the Power of Python Learning, Astrophotography, Data Visualization, Virtual Reality and the use of Drones to gather data.



## STEM SOLUTIONS

The last week of the STEM Summer Learning Labs was July 24 to 28, which was STEM Solutions during which students focused on sustainability of our food chain and the prevention of food insecurity. Dr. Lorelee Larios, from UCR's Botany and Plant Science department, opened the week with a keynote speech about the importance of sustainability of agriculture. The week would expose the 60 students to the research work being done by UCR to develop crops that are disease resistant and drought tolerant. During the week, the student teams gathered information from UCR students and professors to develop their sustainability project they presented on Friday of that week. This process provided experience in working together as a team to develop a compelling proposal to present to the panel of judges.



## STEM LEAPS

The second week, July 17 to 21 we conducted STEM Law Enforcement and Public Safety (STEM LEAPS) with two programs in parallel to increase the breadth of students who could participate. In its 7th year, our STEM LEAPS - Riverside program was conducted for 51 Riverside students in partnership with the California Baptist University Colleges of Engineering and School of Nursing, the Riverside Police Department and the Riverside Fire Department. In partnership with the Riverside County Sheriff's Department, CAL FIRE and Riverside Community College District, a pilot program for 31 Riverside County students from as far away as the Coachella Valley at Moreno Valley College's Ben Clark Training Center. In both programs, students worked in teams to learn about how STEM is used by law enforcement officers, firefighters and emergency medical technicians to improve their safety and effectiveness as they perform their lifesaving duties in service to their communities. The students experienced first hand for one week these career opportunities as they worked in teams to develop and present their Design Challenge project presentations

STEM Solutions winning teams  
and presentations, 2023



**TEAM 7 - DIRT 3**  
Chanhwee Park  
Julian Avalos-Gutierrez  
Maryann Kusto  
Patrick Pascual  
Sterling Fields



**TEAM 8 CITRANEEM**  
Nayan Bhakta  
Anurag Potia  
Jefferson Li  
Ricardo Perales



**TEAM 9 - ECO BUDS**  
Emmanuel Pudussery  
Justin Diep  
Eunice Santos  
Carlos Ramirez

## STEM I AM

In parallel with STEM Solutions, Rialto Unified School District conducted STEM In Advanced Manufacturing (STEM I AM) at Eisenhower High School. In the pilot program 6 students learned core principles of effective manufacturing through hands-on experience. On Monday, after learning about key business principles, the three teams of students played a business simulation game. The teams made decisions over eight quarters of play including product pricing, how much to invest in engineering and quality improvement, whether to build more production capacity and hire additional salesmen and the amount of dividends to pay to their investors.

On Tuesday and Wednesday, the students went on tours of manufacturing companies including Niagara Water, Martinez and Turek and the Bedding Industry of America, where they saw how manufacturing principles were being applied. On Thursday, to demonstrate the value of practical skills, each of the students built and varnished a beautiful wood box with a laser engraved design of their own creation. On Friday the students competed in the Design Challenge Competition for cash prizes in presenting their project proposals for making a product or improving a process they saw on the plant tours.



STEM I AM, Student end of the week pitch to judges,  
Rialto, July 2023



STEM Solutions student participants, mentors and  
teachers engaging with CE-CERT, UCR, 2023



# EDUCATOR STEP CON 23

This was our seventh year hosting a full conference for educators in our region. The premier STEM focused educator conference in the Inland Empire, Educator STEPCon23 was held in-person at the Bourns Technology Center. On Tuesday, October 10, 2023, over 200 attendees that included classroom teachers, school administrators and district and county education staff convened again for a full day of inspiring keynote sessions, engaging workshops and meaningful networking opportunities. The conference counted with content and speakers that represented a diversity of STEM disciplines and educational levels. From practicing classroom teachers, to district teacher

support staff and personnel, and even UCR engineering faculty, participants gained a multi-faceted perspective and insight into STEM teaching and practice in our region.

A highlight of the educator conference is the recognition and awarding of scholarships to outstanding Inland area youth from both San Bernardino and Riverside Counties. Applicants must demonstrate

***"I love ideas and resources I can use right away in my classroom."***

the impact and effect of STEM education on their lives through a pre-recorded video presentation. Recognized applicants receive the opportunity to address conference participants through a general session presentation. This year it was our pleasure to award \$1,000 scholarships to two very deserving students, Alice Dos Santos and Cristofer Hernandez, whose stories and experiences resonated with our committee and educators everywhere.

Recap video coming soon!



Educator STEPCon23, STEM Scholarship Recipients, October 2023

# STUDENT STEPCON23

As the premier student STEM conference in the Inland Empire, we held a hybrid event on October 5, 2023. A hybrid event allowed for participation either in person or virtually so that students from throughout the Inland Empire could engage. We had nearly 10,000 students and their teachers attend either in person or virtually. Our average participation time virtually was over 5 hours which is double the time that students attend our live program.

Students continue, through their comments, to express the following beliefs:

**“Attending college is important”**

**“Science, technology, engineering and mathematics are more interesting than before”**

**“A STEM Career would be rewarding”**

**“I liked that there were a lot of people talking about science and they helped me learn more about it.”**

*~In Person Student Attendee, STEPCon*

**“I like that the videos & articles gave me a lot of information and some videos made me want to maybe do it in the future.”**

*Virtual Student Attendee,*

**“What I liked most about STEPCon is seeing and learning all about mathematics, science and engineering.”**

*In-Person Student Attendee,*

**“The area that I liked the most was the show at the beginning of the field trip because it told us how to use a lot of stuff and it was fun, but we were learning at the same time.”**

*Student Attendee,  
STEPCon 23*

**“It was a fun experience and we were able to see people’s success through STEM.”**

*Virtual Student Attendee,  
STEPCon*

## EXHIBITOR AND ROUND TABLE HIGHLIGHT

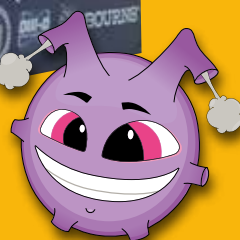
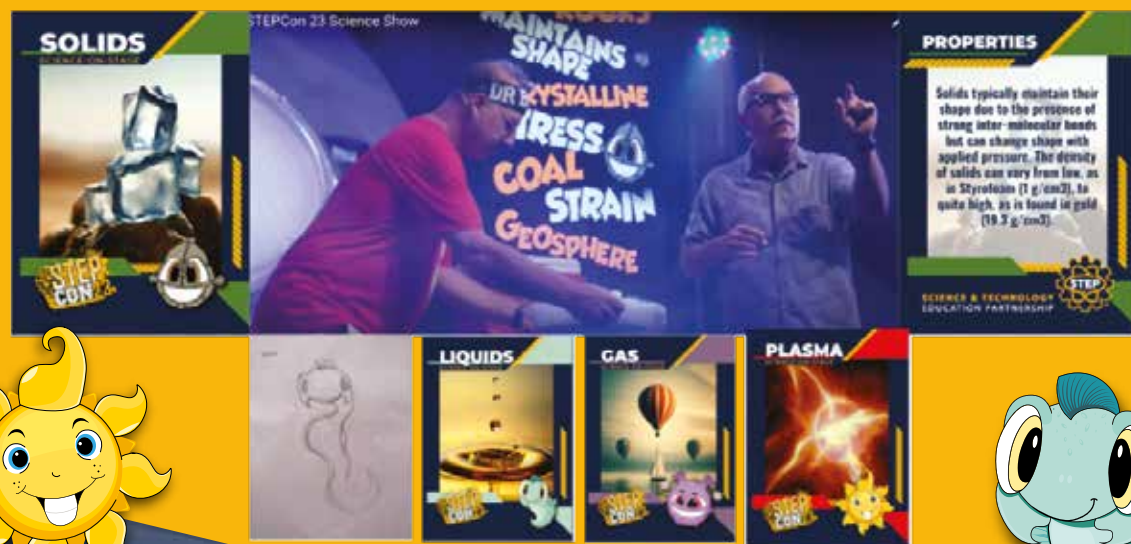
Over 60 exhibitors participated in the hybrid event They represented various STEM careers including the Navy, National Security Agency, Engineering & Manufacturing, Environment, Education Opportunities, Medical Careers, and Technology. Students had the opportunity to engage directly with STEM professionals at the in-person event while virtual attendees interacted through engaging videos and interactive presentations. An exciting new exhibit at STEPCon23 was the ESports Room where students used problem solving skills through various activities and games. For our virtual students, they were able to participate in our Roundtable presentations with NASA/JPL and the National Security Agency.



# STEP Con 23

## Science On Stage

Science-on-Stage, Student STEPCon23, Bourns Technology Center, Riverside, CA.  
Character cards for "states of matter: solids, liquids, gas and plasma"



### SCIENCE-ON-STAGE HIGHLIGHT

After twenty-two (22) years of entertaining tens of thousands of students, the Science Show at STEP has redefined and improved the event by providing a simultaneous live show, online same-day live interactive broadcasting, and additional stage resources to enhance the show experience. Rick and Alex from General Atomics have developed new segments for the show, which this year's topic addressed "Chatter about Matter." The STEPCon23 Science Show rebranded its name to "Science-On-Stage" (SOS); such a move included the implementation of additional special effects lighting, stage effects, LED word wall, students' science concept cards, and the placing of 8 cameras to capture the crucial segments of engagement of the experiments as well as a camera strategically located for the interactive portion of the show.

For the first time, "Science-On-Stage" provided students with memorabilia related to the science principles of the show. A young student created four characters: Solid, Liquid, Gas, and Plasma" for distribution of Science-On-Stage participants. These cards were extremely well received and provided facts on each state of matter. Teachers and students received the shows very well.

For complete Science on Stage, 2023: YouTube Link:  
<https://www.youtube.com/watch?v=KwB5rcYdFec&t=102s>





# COUNSELOR STEP CON 23

Counselors are key to creating a STEM workforce pipeline and many counselors do not understand the steps that students will need to take for each different type of STEM career. November 8th was National STEM Day and served as the perfect day for the first Counselor STEPCon hosted at Bourns Technology Center.

The day started with highlighting college level Calculus as a gatekeeper to STEM jobs for many students. Educational system-wide support is needed to ensure that students graduate from our K-12 schools with the foundational mathematics knowledge to be successful in college level Calculus courses. Additionally, we had a keynote from a local graduate that had the room in tears when she told her story of how she decided to become an engineer.

The breakout sessions focused on Inland Empire STEM careers and the educational

institutions that students will need to attend in order to attain those STEM jobs. The sessions were lead by community colleges, universities, military branches and local trade unions in providing multiple roadmaps to STEM careers. The STEM career sessions included engineering, allied health, cybersecurity, computer science, construction, medical, and advanced manufacturing. The content of each session provided counselors with guidance from each organization on the prerequisites needed for students to continue in their STEM career journey.

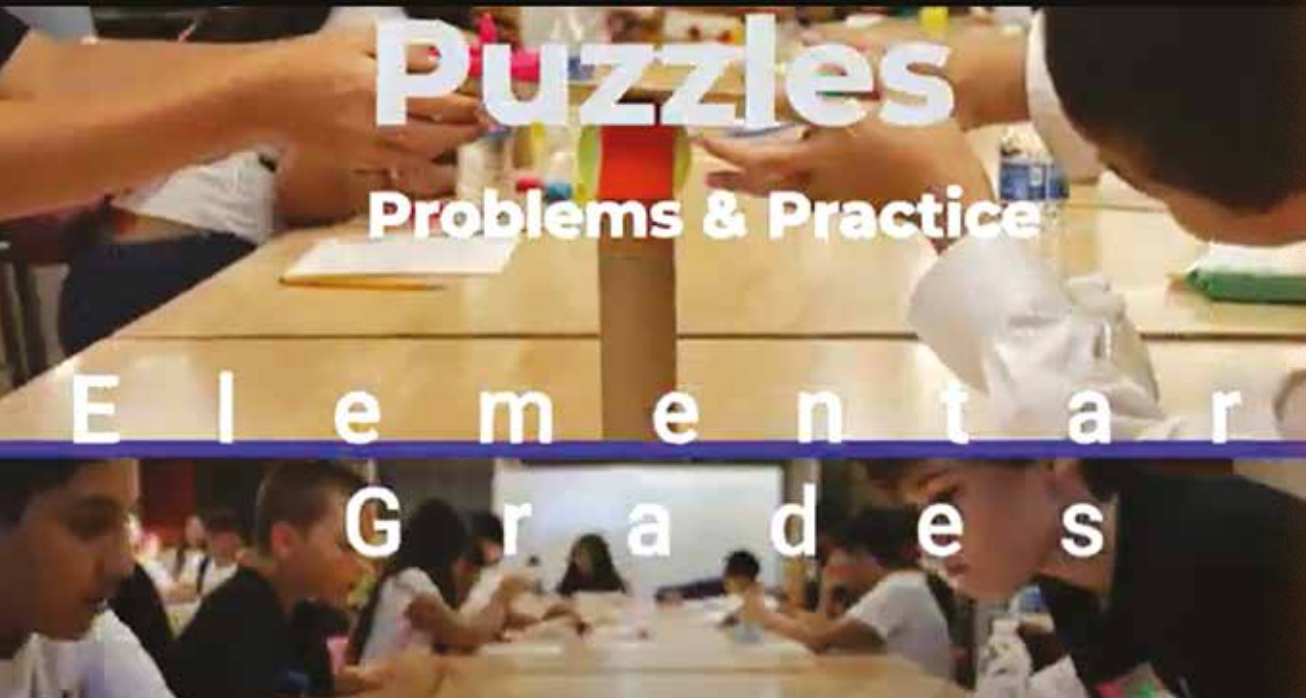
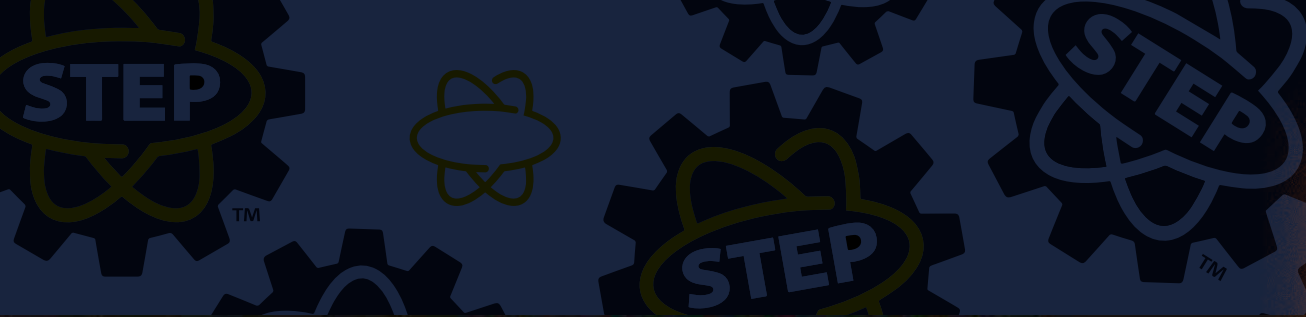
The Counselor STEPCon will be an invaluable asset in creating a comprehensive support system for getting students interested in a STEM job by providing support to the group of educators that have the highest impact on career guidance.

**Our Work: Inspections**

conduct inspections on ships, at railyards, fuel refineries, on trucks and buses operating on California roads, and more. Respond to complaints from the public. Collaborate with regional air districts, CHP, and other State agencies. Inspections allow us to identify and settle violations with CARB regulations. Make connections and gain an understanding of industry.




Counselor STEPCon23, Bourns Technology Center, Riverside, CA.



# Puzzles

## Problems & Practice

### Elementary Grades



# SUMMER ACADEMIES

This summer we will expand STEM our Summer Academies after our successful 2023 pilot programs for 5th/6th grade student program entitled, Patterns, Puzzles and Problems and a 7th/8th grade student program entitled, STEM FUNDamentals. The intent of these academies is to ensure that students as young as 5th grade have the opportunity to explore STEM concepts and to evaluate a wide variety of STEM career opportunities. We discuss education pathways for the students to consider as they navigate through the complexities of middle school.

A focus of the education pathways we discuss is math, the “language of STEM.” We advise students that if they have an interest in pursuing a STEM career, they can get an excellent head start in college by taking Advanced Math in 7th grade and Algebra by 8th grade which paves the way for Calculus by 12th grade. Highly motivated students on an accelerated route will want to take Calculus by

11th grade and Statistics in 12th grade. Students in the summer academies will have daily opportunities to learn from STEM professionals and ask vital questions to develop their own unique STEM pathway. Then as 9th grade students, they have the opportunity to attend our STEM Summer Learning Labs and continue to develop their chosen STEM pathway toward the career(s) they find to be most interesting.



## STEM SUMMER LEARNING LABS PLANNING COMMITTEE MEMBERS

Gordon Bourns, Lead

Ariana Firebaugh Ornelas	Jason Heinrich	Phil Rawlings
Ben Nunnally	Jennie Pauli	Rebecca Meyer
Damaris Velez	John Enyeart	Rhonda Clement
David Budai	Jordan Edwards	Ron Weston
Debra Johnson	Jordan Smith	Ryan Reyes
Donna Schulte	Juanita Chan	Sara Salsgiver
Eric Detmer	Kelley Ambriz	Sharon Gutierrez
Estella Acuna	Khevin Curry	Steven Klock
Fortino Morales III	Kim Terry	Tiffany Scott
Francis Nitalo	Larry Clement	Troy Clark
Gina Perez	Loralee Larios	Will Ferguson
Gordon Bourns	Mia Dominguez	Yami Shimojyo
Henri Shimojyo	Nicolas Duran	

## EDUCATOR STEPCon23 COMMITTEE MEMBERS

Carlos Gonzalez, Co-Lead  
Kim Terry, Co-Lead

Alaina Murillo	Claudia Velez	Omar Safie
Christalle Hart	Henri Shimojyo	Steve Kong
	Mary-Elizabeth Quan	

## STUDENT STEPCon23 COMMITTEE MEMBERS

Debra Johnson, Lead

Alex Nagy	Eboni Wells	Kelley Ambriz
Amna Ahmad	Grecia Alaniz	Kim Terry
Arun Raju	Heather McDonald	Rick Lee
Brad Werking	Henri Shimojyo	Sammy Perez
Carlos Gonzalez	Jimmy Johnson	Shannon Dadlez
Dana Baron	Johnny Nunez	Shawn Hewitt
Dolly Bergen	Juanita Chan	
Doug Henderson	Julia Smith	

## COUNSELOR STEPCon23 PLANNING COMMITTEE MEMBERS

Doug Henderson, Lead

Heidi Baynes	Hilda Castanon	Ruth Arriaga
Rhonda Clement	Caroline Cabal	Erika Bennett
Nicole Johnson-Green	Karla King	

# PROGRAM PLANNING TEAMS

A SPECIAL THANK YOU TO ALL OF OUR PLANNING  
TEAM MEMBERS WHO SUPPORT THE BUILDING  
OF A STEM CULTURE IN THE INLAND EMPIRE BY  
BRINGING OUR STEP PROGRAMS TO LIFE.





# THANK YOU

**Thank you to all of our Sponsors and Partners for your contributions to make this year's STEPcon the best ever!**



[www.stepconference.org](http://www.stepconference.org)