



Contra Costa County Office of Education

# COLLEGE AND CAREER READINESS

April 2022



## In this issue

DIRECTOR'S MESSAGE

STUDENTS OF EXCELLENCE

SUMMER OF CS - CODE.ORG OFFERS PD

HEALTH & ICT DAY 2022

WASC 2022

CCR Team Spotlight

CTE RESOURCES

CCC ROP CHEVRON TRAINING PROGRAM

NEWS, CTE OPPORTUNITIES, AND EVENTS

## Director's Message Hilary Dito

We are entering the home stretch for the 2021-2022 school year. Teachers continue to be challenged as we move to recovery plans, navigating COVID policies along with content standards and social emotional learning. CCC ROP continues to support our 260 classes and provide high-quality *experiences for our students and teachers.*

*During the last couple of months, CCC ROP has been checking in with districts to plan for the 2022-2023 school year, support student competitions, and visit ROP classrooms. We even held 4 regional CCC ROP meetings. It was such a pleasure to see people in-person and watch students engaged in CTE programs.*

*I had the pleasure of attending 2022 Educating for Careers conference and network with CTE educators from around California. We heard from students about their CTSO experiences and the power these programs have in their growth, shared resources, and heard from an amazing slate of speakers. I was particularly moved by Brandon P. Fleming, author of *Miseducated; a Memoir*. His story is moving and reminds us that we have an opportunity to impact the lives of children every day. Through your passion, you have can connect with students and change a life forever. Thank you!*



**SAVE THE DATE!**  
February 26 - February 28, 2023  
SAFE CREDIT UNION CONVENTION CENTER IN SACRAMENTO

## ★ CONTRA COSTA COUNTY ROP ★ ★ STUDENTS OF EXCELLENCE ★

CCC ROP teachers may nominate one student from their CCC ROP course. Applications are available at [www.bit.ly/ropsoe2022](http://www.bit.ly/ropsoe2022)

Applications include:

- Teacher narrative
- Student narrative
- Photo of student
- Photo release form

Complete applications are due April 11, 2022.  
Students will be recognized on May 10, 2022.

CCCOE is thankful for our Students of Excellence Partners. The support of these businesses help provide scholarships to our CTE/ROP students.



ALL DONATIONS GO DIRECTLY TO STUDENT SCHOLARSHIPS.  
FOR INFORMATION ABOUT SPONSORING CCC ROP STUDENTS OF EXCELLENCE SCHOLARSHIPS, PLEASE CONTACT HILARY DITO AT [HDITO@CCCOE.K12.CA.US](mailto:HDITO@CCCOE.K12.CA.US)

## Applications open for 2022-23 CCCOE Code.org Professional Learning Cohort ~ Scholarships Available ~

According to the *2021 State of Computer Science Education: Accelerating Action Through Legacy Report*, 50% of High Schools in Contra Costa County offer a foundational course in Computer Science.

California has on almost 76,000 computing jobs open each month, yet in 2018 there were only 7,311 CS graduates from California universities. CCCOE, in partnership with Code.org, offers a year-long professional learning program for Middle and High School teachers to learn how to teach CS with Code.org's free curriculum. Applications are reviewed on a rolling basis. Teachers can apply at [code.org/apply](https://code.org/apply). The cost for CCC teachers is \$1000 (a \$1500 savings) and full scholarships are available.



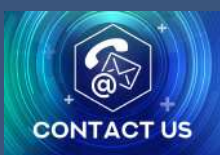
Check out the video with past students and teachers at [bit.ly/Code\\_orgCA\\_CS](https://bit.ly/Code_orgCA_CS). You can find out more about the State of CS in California at [advocacy.code.org](https://advocacy.code.org) or contact Christen Northrop at [cnorthrop@cccoe.k12.ca.us](mailto:cnorthrop@cccoe.k12.ca.us)

## Health & ICT Day 2022

Contra Costa County Office of Education together with Earn & Learn sponsored two virtual career days this winter: One focused on healthcare careers and the other on careers in the information and communication technology sector. Estimated attendance was about 298 for the Health Careers Day and 265 for ICT Careers Day. Live attendees were able to ask the panels questions and received participant badges through Badgr. Recordings of the sessions are available on Earn & Learn's Vimeo page for future viewing.

For our Health Careers Day, we heard from Murray Athletic Development and the work they do with the Golden State Warriors to keep them in the game, from UCSF's Latinx Dental Group on their journeys to a career in dentistry and from Neurocrine Biosciences on working with patients with the most complex medical conditions. Contra Costa Community College District and i-Cultiver also shared their healthcare pathways.

On ICT Careers Day, we heard from Cyber Security experts at Palo Alto Networks and Red Box Business Solutions, a panel of entrepreneurs sharing their endeavors, such as partnering with Salesforce and using drone technology, and a panel of behind-the-scenes tech experts who reflected on their journeys to their careers and the opportunities for all students available in ICT.



Director  
Hilary Dito  
[hdito@cccoe.k12.ca.us](mailto:hdito@cccoe.k12.ca.us)

### College and Career Readiness Coordinators

West County:  
Jeff Brauning  
[jbrauning@cccoe.k12.ca.us](mailto:jbrauning@cccoe.k12.ca.us)

East County:  
Dan Hanel  
[dhanel@cccoe.k12.ca.us](mailto:dhanel@cccoe.k12.ca.us)

K12 SWP Pathway Coordinator  
Nick Morgan  
[nmorgan@cccoe.k12.ca.us](mailto:nmorgan@cccoe.k12.ca.us)

CCC ROP kicked off the 2022 WASC Accreditation with Focus Group meetings in March. District, Business, and Community partners reflected on the ROP Mission and Student Learning Objectives, the School Profile and indicators in Assessment, Curriculum, Instruction, and Student Support. CCC ROP is currently collecting data from teachers, students, parents and partners. Contact Dan Hanel for more information as CCC ROP plans for a November 2022 visit.



*CCC Team  
Spotlight*



Dan Hanel is in his thirty-seventh year of public education. As a high teacher for 15 years, he was named Outstanding High School Science Teacher for the state of California. He became a site administrator at Pittsburg High and then helped open Heritage High. In addition, he served as a district K-12 Math and Science Curriculum Coordinator. He has coordinated ROP/CTE with the CCCOE for the past nine years. Supporting teachers and their students with career education has been extremely rewarding for Dan. The effect that a single class can sometimes have on the outcome of a student cannot be overestimated. He looks forward to visiting schools throughout the county to help support and guide their efforts toward preparing students that are college and career ready.

### CTE Links

- [Glideo](#)
- [CA Career Resource Network](#)
- [Earn and Learn WBL Request](#)
- [CCCOE WBL Padlet](#)



*CTE Resource  
Highlight*

**California Educators Together** is a community of practice designed to provide educators, administrators, specialists, and state program leads a common space to communicate, share strategies, and access resources. **CTE Online** is now merging with the new California Educators Together platform to bring all practitioners across the Golden State together to improve student learning opportunities! Join or [merge your CTE Online](#) account to start collaborating across the state!

## CCC ROP'S CHEVRON TRAINING PROGRAM IS A GAME-CHANGER

CCC ROP, in partnership with Chevron, offers training for high-paying careers in industrial facilities. This program, funded by the Chevron Richmond Refinery, is run by CCC ROP and has launched many successful careers in the fuels and petrochemicals industries. Over the last 7 years, CCC ROP has trained over 200 adults with half securing jobs at Chevron.



Students learn technical skills such as mechanics, mathematics and chemistry, along with communication and analytical skills, safety practices and how to work independently and as part of a team. They also receive job interview training. For more information visit [CCC ROP's Adult Education website](#)

# News, CTE Opportunities and Events

## BUILDING CONSTRUCTION PATHWAYS - VIRTUAL PRESENTATION



Join CCC ROP and Construction Trades Workforce Initiative (CTWI) for a presentation on how to strengthen construction pathways.

Objectives include:

- Understanding Apprenticeship and Pre-Apprenticeship Programs
- Leveraging Workforce Agreements
- Placing students in Construction Careers post-graduation

**MAY 12, 2022**

**4:00 TO 5:00 PM**

**[CLICK HERE TO REGISTER](#)**

[For more information, view the event flyer](#)



Thank you to JA and all the JA Volunteers for making JA STEM Week a success!

By the numbers;

- impacted 5,582 students
- 62 workshops
- 9 mentoring sessions with 62 mentors from 39 companies
- 2 keynote speakers, three moderators, four panelists

Access the [program and recordings here](#)

## March Career Speaker Series

Speakers will share details about their current role, their educational journey, and their unique path to career success, followed by a live Q & A with participating students.

Workshops are open to 8-12 grade students  
Hosted by Valero

**Engineering Careers:  
not all require a college  
degree**

Wednesday, March 23,  
2022

4:00 pm - 5:00 pm PT

[Register Here](#)

# News from our Schools

## Cybersecurity Clubs start in CCC ROP

CCC ROP Teachers engaged in three hours of professional learning with Elizabeth Shaw, TOSA with Santa Cruz County Office of Education, on starting CyberClubs for students. In partnership with Bay ICT, BACCC, and Bay Area Cyber League.



Teachers who start a club and participate in the Cyber League competitions will receive support from CCC ROP and Bay ICT's NSF grant. Contact Hilary Dito at [hdito@cccoe.k12.ca.us](mailto:hdito@cccoe.k12.ca.us) for more information.

## Mr. McCool and the Student Crew: Antioch HS ROP Web & Social Media Class produces radio show



ROP teacher Kent McCutcheon (aka Kali McCool) at Antioch High has his students helping with his radio show, "Surf's up with Mr. McCool and the Student Crew" on [www.tikimanradio.com](http://www.tikimanradio.com).

Students use WeVideo software to produce this one-hour program. we purchased for the Web and Social Media class.

Tiki Man Radio is "Your Coastal Americana Radio" playing tropical tunes from Country, Rock, Blues, Reggae and Tropical Rock from the islands. So the next time you need some Island Vibes, tune into CCC ROP's Web and Social Media DJ's.

Mr. McCool's students enjoy listening to Tiki Man Radio in the classroom. They love the multi-cultural positive vibe. Catch their show Tuesday's at 4:00 pm PST or stream it. Visit [Tikimanradio.com](http://Tikimanradio.com) when you need a pick-me-up



Send stories to your coordinator or complete the news form at [bit.ly/cccropnews](http://bit.ly/cccropnews).

See all our news at

[bit.ly/CCCOE-CTE-NEWS](http://bit.ly/CCCOE-CTE-NEWS)

## Heritage HS Robotics Wins the Control Award at Daly City's FIRST Tech Challenge

The Heritage High School FIRST Tech Challenge Robotics team participated remotely with 15 other teams in Northern California in the FIRST Tech Challenge Daly City qualifier event on Saturday January 22. The Heritage team comprised of 15 students won the Control Award at the event.



The Control Award showcases teams that master robot intelligence. The award celebrates a team that uses sensors and software to increase the robot's functionality in the field. This award is given to the team that demonstrates innovative thinking to solve game challenges such as autonomous operation, improving mechanical systems with intelligent control, or using sensors to achieve better results.

Congratulate our programming students Adeel Ahmed and Anthony Rubick for their hard work in helping our team win this award and ROP Teacher Robert Pardi for his mentoring of the team.

UCSF



NOW ACCEPTING APPLICATIONS FOR

**PITCH 2022**

PITCH, or the Program for Investigation & Training for Careers in Health, is a 3-week summer internship for high school students.

PROGRAM DATES: JULY 18 TO AUGUST 5  
APPLICATIONS DUE APRIL 29, 2022

### Applications are open for PITCH 2022

High School students can apply for the Program for Investigation and Training for Careers in Health at [bit.ly/pitch2022](https://bit.ly/pitch2022)

### Applications are due on April 29.

Participants in this 3-week internship will:

- Explore careers within dentistry, medicine, nursing, pharmacy, and physical therapy
- Conduct research and participate in labs and activities directly related to healthcare
- Meet UCSF professors and graduate student mentors throughout the internship

For questions or to request more information, email Karen Louriana M at [karenlouriana.medina@ucsf.edu](mailto:karenlouriana.medina@ucsf.edu)

## Two Danville students make top 3 in DeSaulnier's App Challenge



Written By Jeanita Lymen

Danville San Ramon, Feb. 3, 2022

*Reprinted with Permission*

Two Danville students make top 3 in DeSaulnier's App Challenge  
Chan from SRVHS second for Swype Words; Diablo Vista's Singh third with SmartHomework Planner

The honorees in U.S. Rep. Mark DeSaulnier's annual Congressional App Challenge included Danville students in second and third places, with a Walnut Creek student taking first place.

"It was such a pleasure reviewing all of the creative apps developed by students across Contra Costa this year," DeSaulnier said.

Jason Chan of San Ramon Valley High School took second place in the challenge, for an app aimed at promoting typing efficiency, called Swype Words.

Diablo Vista Middle School student Adhyayan Singh came in third, for an app aimed at helping students calculate and monitor their grades, called SmartHomework Planner.

First place went to Seth Raphael of Las Lomas High School in Walnut Creek, for an app called LinkJoin, which serves as a management and organization platform for virtual meetings, meant for use by educators, students, and other organizations.

"I am always impressed by the ingenuity and skill demonstrated by students in our district and congratulate this year's winner, Seth," DeSaulnier said. "In our increasingly digital world, his app can make the lives of both hardworking students and teachers easier."

The winners were selected by a panel of three judges with expertise in education and STEM. This year marks DeSaulnier's seventh participating in the Congressional App Challenge, which was established in 2014, with the goal of promoting education and interest in STEM amongst young people.

Jason Chan is a CCC ROP student at San Ramon Valley High School. He has taken several courses in the Information and Communication Technologies pathway including:

- VS.net
- ROP AP CS A
- ROP AP CS Principles



**JUNE 13 - 17**  
INTRO

**JUNE 20 - 24**  
INTERMEDIATE

**JUNE 27 - JULY 1**  
VIRTUAL ADVANCED

**JULY 11 - 15**  
INTRO

**JULY 18 - 22**  
INTERMEDIATE

**JULY 25 - 29**  
VIRTUAL ADVANCED

2022  
**SUMMER CYBER  
CAMPS  
COMING SOON!**

The Bay Cyber League (BCL), in conjunction with the Bay Area Community College Consortium (BACCC), is so excited to be back and offering IN-PERSON CyberCamps again this summer!

2022 Summer CyberCamps will be offered in-person for our Introductory and Intermediate level camps, and virtually for our Advanced camp.

For information visit [www.baycyber.net](http://www.baycyber.net)