Contra Costa County Office of Education

COLLEGE AND CAREER READINESS

February 2022

Director's Message
Hilary Dito

February is CTE Month®, a public awareness campaign to bring awareness to career education programs, like CCC ROP. The Association for Career and Technical Education (ACTE) has resources to celebrate the value of CTE and connect your classes with the broader community. Visit www.aceteonline.org for more information.

Don't hesitate.
Don't wait.
Don't aspire.
Achieve!

Amanda Gorman

Check out the opportunities for students and teachers in our February News. We thank you for your dedication to Career Education.

CCC ROP wants to share your CTE Month activities - tag us (#CCCROP, @COCOSCHOOLS) on social media. Check out our padlet for information on events for students and teachers.

February is CTE Month ®

CTE Month®, is a public awareness campaign that takes place each February to celebrate the value of CTE and the achievements and accomplishments of CTE programs across the country. What can you do to celebrate?

- **Showcase** your CTE programs on Social Media (#CTEMonth, #CCCROP, @COCOSCHOOLS)
- **Connect** with Business and Community Members about your CTE Pathways
- **Engage** with policymakers and tell your CTE story
- **Visit ACTE** for more information at www.acteonline.org.

CELEBRATE TODAY, OWN TOMORROW!

Applications open for 2022-2023 CCCOE Code.org Professional Learning Cohort

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.** The cost for CCC teachers is $1000 (a $1500 savings) and full scholarships are available.

> "This was one of the most wonderful opportunities I have ever had as a teacher.
>
> I am very grateful to Code.org for such a wonderful resource and gathering of brilliant minds to learn from and utilize as part of my professional development.
>
> It has made a tremendous difference to my career."
>
> -Nancy L., CS Discoveries

Check out the video with past students and teachers at bit.ly/Code_orgCA_CS. You can find out more about the State of CS in California at advocacy.code.org or contact Christen Northrop at cnorthrop@cccoe.k12.ca.us
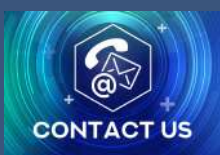

Teacher Fellowships Applications Now Open for Summer 2022

Get Paid to complete Hands-on Summer PD!

Full-time K-16 teachers can now apply for Ignited's 2022 Summer Fellowship Program. Selected Fellows complete industry and research projects at companies and university labs, like Amazon Lab126 and Stanford Universities. **Teachers work full-time for 7 or 8 weeks and are paid up to $9,000 for completing an 8-week project** with the Summer Fellowship Program.

Projects range in industry and subject, with the majority of in the STEM fields (science, tech, engineering, and math). Participants gain first-hand experiences in the applications of the subjects and skills they teach and are supported in infusing curriculum with "real world" connections that further engage students. Participants can also choose to earn 32 CEUs and/or apply for Ignited's Fund for Innovation, a competitive $1,000 grant that supports new and exciting classroom ideas that improve teacher instruction and student achievement. **These projects begin to be filled in March, so it's best to apply ASAP.** For more info, review the eligibility criteria and requirements, frequently asked questions, and application process.

College and Career Readiness Coordinators

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CONTACT US

CCCROP 2022 WASC Accreditation
Self-Study Process

CCC ROP is completing the WASC Self-Study process and planning for a visit in **November 2022**. We are hosting our first **Focus Group** meeting on **February 28, 2022**. Please consider joining us on this evaluation process. Focus groups will have two additional meetings to complete this work. Thank you for your support and partnership. Contact Dan Hanel at dhanel@cccoe.k12.ca.us for more information.

CCR Team Spotlight

Jeff Brauning has worked for CCCOE College and Career Readiness as a Coordinator for the past five years. Before joining CCCOE Jeff worked as a High School Principal, Vice Principal, and Teacher for 23 years. His passion for CTE started in high school, where he took ROP Agriculture courses. When he became a school administrator he really began to see the value of high quality CTE programs and their impact on students. He enjoys working with our school districts supporting their awesome ROP programs, teachers, administrators, and students. Jeff works with our team to ensure students throughout the county have high quality CTE experiences to prepare them for whatever their future may hold.

CTE Links

- Gladeo - An inclusive, next-gen career exploration tool
- CA Career Resource Network
- Earn and Learn WBL Request
- CCCOE WBL Padlet

CTE Resource Highlight

SKILLS TO SUCCEED ACADEMY

Available free of charge to CTE educators, the S2S Academy, an online experience for students, features an engaging multimedia interface that delivers high-quality career planning, job exploration and a unique 'flight simulator for job seekers'. Visit ACTE's Skills to Succeed page at **www.acteonline.org/s2s/** for information on how to start.

SELF-PACED ONLINE COMPUTER SCIENCE PROFESSIONAL LEARNING OPPORTUNITY

Code.org supports implementation of Computer Science for K-12 classrooms. Their vision: "Every student in every school has the opportunity to learn CS" is embedded in their free curriculum and professional learning experiences. They currently offer 4 self-paced modules for teachers.
These free self-paced online modules will allow teachers to familiarize themselves with the Code.org learning platform and curricular materials while building their confidence in teaching Code.org courses. Check them out at
code.org/educate/professional-development-online

Student Opportunities and Alumni Highlights

ICT DAY
FEBRUARY 28, 2022

CCCOE will host an ICT Careers Day on February 28th. Professionals and employers in the Information and Communication Technology field will present about their careers, and local educational institutions will present about local training opportunities. Interactive sessions will be conducted online, and students will be able to join from their schools.
Participant badges will be available.

BACCC CAREER EXPLORATION SERIES

To celebrate CTE Month, the Bay Area Community College Consortium (BACCC) is hosting a webinar series for Career Exploration. Learn about careers in Construction, Biotechnology, Teaching and more. Webinars will be held Feb 2 to Feb 24, 2022. Most webinars are from 4:00 pm to 5:00 pm. Recordings will be available after the live sessions

FOR MORE INFORMATION AND TO REGISTER CLICK HERE

ROP ALUMNI HIGHLIGHTS: JOHN SWETT HIGH SCHOOL

ROP Teacher, Tony Tammer, shared how 2021 Student of Excellence Awardee, Lauren Goni used her CAD Skills at UC DAVIS.

Lauren Goni (JSHS 2021) used her HS CAD knowledge in her first quarter at Davis. As part of her Intro to Biomedical Engineering class, she had to design a medical device to help a hemiplegic child tie their shoelace with one hand. Because of ROP CAD, it was a breeze. She even helped other students who were struggling trying to figure out how to use the software. I think you might find this next bit interesting. Check out the video of her design!

Junior Achievement of Northern California | Inspiring Tomorrows™

JA STEM WEEK
MARCH 8-11, 2022

Northern California is a major hub to hundreds of successful STEM companies. JA NorCal is excited to showcase their partners through a four-day event that brings workshops, mentors and speakers together to inspire students through virtual learning experiences.

March 8: JA SHE LEADS STEM SUMMIT
March 9: STEM CAREER MENTORING
March 10: JA TECH & INNOVATION SUMMIT

All Week: STEM CAREER CONTENT & CURRICULUM

For more information download the event flier or visit JA NorCal

REGISTER YOUR CLASS HERE

BIT.LY/JANORCALSTEM2022

News from our Schools

Cybersecurity Professional Learning

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 for more information.

Liberty HS Teaching & Learning Careers (TLC) Academy hosts Mock Interviews

24 Liberty High School TLC Academy students prepared their resumes and engaged in mock interviews on December 16, 2021. These future educators answered questions about engaging students who are off task, implementing technology into lesson plans, and creating opportunities for diverse learners. Interviewer included Superintendents Mr. Eric Volta (Liberty UHSD and Dr. Dana Easton (Brentwood USD), Early College Credit Senior Program Coordinator Kelly Green (Los Medanos College), Director, College and Career Readiness Hilary Dito (CCCOE) and many more.

These students have completed internships in classrooms and are exploring the future of education. The students spent 10-15 minutes talking to 3-5 volunteers. "These students are passionate about their future in education. They had amazing hands-on experiences working with students and a deep understanding on the theories of teaching and learning," said Hilary Dito. The future is bright with these young educators ready to join the profession.

Follow the news from LHS TLC Academy at www.smore.com/2z5xf

NEWS

Send stories to your coordinator or complete the news form at bit.ly/cccropnews.
See all our news at
bit.ly/CCCOE-CTE-NEWS

Clayton Valley Charter High School Senior Ldya Dibeculu successfully completes UC Berkeley High School Engineering Program
By: Joanna Castillo, ROP and PLTW Engineering Teacher, CVCHS

CONCORD, CA-Ldya Dibeculu was one of 14 high school students in the Bay Area selected to participate in the UC Berkeley Society of Women Engineers High School Engineering Program (SWE HSEP). Society of Women Engineers is a national nonprofit organization which strives to highlight the achievements of women as leaders and engineers. (https://swe.berkeley.edu/hsep) Comprised of high school students and a group of dedicated mentors from UC Berkeley,

SWE HSEP fosters a nurturing environment for high school females to learn and explore their interests in engineering. Completed in November 2021, Ldya participated in the 10-week program, where the students receive engaging lessons pertaining to various fields of engineering and are mentored in small teams to design and carry out an involved engineering project. Ldya and her high school teammates designed a mini-golf course in the 3D modeling program AutoCAD. Ldya said, "Without any prior knowledge, I had to learn AutoCAD quickly and surprised myself when I was able to design and complete the mini golf course project. It was a great experience to collaborate with students from other high schools and very rewarding to see everything come together. I also enjoyed working with my mentor because she pushed me to keep trying despite the challenges I faced." Ldya is member in Clayton Valley Charter High School's Engineering Academy and is currently taking ROP Honors PLTW Computer Integrated Manufacturing. Ldya hopes to attend UC Berkeley next Fall and major in Civil Engineering. Congratulations Ldya in your tremendous achievement.

CONTRA COSTA COUNTY ROP
STUDENTS OF EXCELLENCE

APPLICATIONS OPEN FEB 22, 2022

CCC ROP teachers may nominate one student from their CCC ROP course. Applications will be available at www.bit.ly/ropsoe2022 on February 22, 2022. Applications include:
- Teacher narrative
- Student narrative
- Photo of student
- Photo release form

Complete applications are due April 5, 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.

Chevron human energy

PHILLIPS 66 PROVIDING ENERGY. IMPROVING LIVES.

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