

Science & Environmental Literacy

SUMMER 2022 - SANTA CLARA COUNTY OFFICE OF EDUCATION

Happy Summer!

☀️ Summer solstice was on June 21st at 2:13AM ☀️

We hope you are prioritizing your wellbeing and making time this summer to rest, recharge, and find renewal in the ways that work best for you.

Summer Offerings:

- Foundations of Equitable Grading: Registration is still open for this self paced online course. See below for more information.

Looking ahead to 2022-2023:

Registration for several of our Networks / Communities of Practice (CoPs) are now open. Flyers with additional information and registration links are available below for the following groups:

- TOSA & Instructional Coaches Network
- Growing Gardens Community of Practice
- Environmental Literacy Leadership Collaboratives

We've started planning professional learning opportunities for the 2022-2023 school year and are still interested in getting feedback on your interests. Please take a moment to complete the following [survey](#) so we can best align our offering to your needs:

<https://forms.gle/cuz7bNQmg2gGXeG48> Please feel free to share the survey with your colleagues.

Our next newsletter will contain our offerings for the Fall semester.

WHAT DOES THE SCCOE SCIENCE TEAM DO?

We are here to support ALL educators (teachers, TOSAs/Instructional Coaches, paraeducators, and administrators) in their implementation of NGSS, embedding environmental literacy and sustainability into content areas, and building and sustaining school garden initiatives through coaching, professional learning, strategic planning, and technical assistance.

HOW CAN THE SCCOE SCIENCE TEAM HELP OUR DISTRICT/SCHOOL?

Feel free to reach out to our team via email.

Jenn Mutch at Jmutch@sccoe.org

Tara Sikorski at Tsikorski@sccoe.org

We are here to support your high-quality science and environmental literacy instruction. Please also share your events and highlights with us! We would love to feature what you are doing in your classrooms, at your schools, and in your Districts with Science and Environmental Literacy. Send us an email if you'd like to be featured in future newsletters.

A graphic with the word "UPCOMING" in large, colorful, block letters (U: pink, P: orange, C: yellow, O: green, M: blue, I: purple, N: blue, G: blue). The word "events" is written in a black cursive script across the middle of the "UPCOMING" letters. The entire graphic is enclosed in a white rectangular box with a thin black border.

UPCOMING
events

FOUNDATIONS OF EQUITABLE GRADING SUMMER
ONLINE COURSE



Foundations of Equitable Grading Summer Online Course

The Santa Clara County Office of Education (SCCOE) invites all TK-12th grade educators, TOSAs (Teachers on Special Assignment), instructional coaches, and district/school site administrators to the Foundations of Equitable Grading Online Course.

During this course you will:

- Reflect upon current grading practices and how they support/hinder a growth mindset
- Explore equitable grading practices and how these practices impact students
- Learn strategies to make grading more equitable
- Begin to build an understanding of equitable grading systems

PLEASE NOTE:

- Participants will need to purchase *Grading for Equity* by Joe Feldman.
- This self-paced course will take about 14-16 hours to complete.
- Upon completion of this course, two (2) graduate-level semester units will be available through the University of the Pacific for a fee.

For more information, please contact:

Tara Sikorski • Science Coordinator • tsikorski@sccoe.org
Christa Norum • Educational Technology Coordinator • cnorum@sccoe.org

Course Runs:

Summer Session
June 1, 2022 to August 31, 2022

Location: Online via Canvas
Asynchronous: Self-Paced

Audience:

TK-12th grade Educators, TOSAs,
Instructional Coaches, and District
Level Administrators

Grade Level(s): TK – 12th grade

Cost: FREE

Core Text: *Grading for Equity*
by Joe Feldman

Registration:

<https://na.eventscloud.com/683237>

REGISTER HERE: FOUNDATIONS OF EQUITABLE GRADING
COURSE

TOSA & INSTRUCTIONAL COACHES NETWORK



2022-2023 TOSA & Instructional Coaches Network

Santa Clara County Office of Education invites all Instructional Coaches, Mentors, and TOSAs (Teachers on Special Assignment) to the 2022-2023 TOSA & Instructional Coaches Network

- Develop your leadership skills as you learn more about supporting teachers with content, pedagogy, and technology
- Expand your instructional coaching toolbox with a deeper knowledge of instructional coaching frameworks, techniques, and mindsets
- Explore how to support teachers with equitable and inclusive instructional practices, Project Based Learning (PBL), Universal Design for Learning (UDL), and integration of essential skills across the content areas
- Network with other instructional leaders across Santa Clara County and beyond

Dates and Times:

August 31, 2022, 4 to 6 p.m.
September 26, 2022, 10 a.m. to noon
October 26, 2022, 4 to 6 p.m.
November 28, 2022, 10 a.m. to noon
January 25, 2023, 4 to 6 p.m.
February 27, 2023, 10 a.m. to noon
March 29, 2023, 4 to 6 p.m.
April 24, 2023, 10 a.m. to noon
May 24, 2023, 4 to 6 p.m.

Location:

Virtual via Zoom

Audience:

TOSAs, Mentors, Coaches

Grade Level(s): TK – 12

Registration:

<https://na.eventscloud.com/697063>

For more information, please contact:

Tara Sikorski • Science Coordinator • tsikorski@sccoe.org



REGISTER HERE: TOSA & INSTRUCTIONAL COACHES NETWORK

GROWING GARDENS COMMUNITY OF PRACTICE



Growing Gardens Community of Practice (CoP)

The Santa Clara County Office of Education invites all TK-12 educators, TOSAs (Teachers on Special Assignment), administrators, garden coordinators, maintenance and operations, and after school garden education providers/staff to the Growing Gardens Community of Practice (CoP).

During this Community of Practice we will:

- Collaborate and network with colleagues who support school gardens and/or outdoor learning spaces
- Explore partnerships to create and maintain sustainable systems for school gardens and/or outdoor learning spaces
- Share resources and ideas about the creative use of school gardens and outdoor learning spaces for both academic instruction and social emotional learning
- Learn about the best practices for designing, developing and maintaining school gardens and/or outdoor learning spaces

For more information, please contact:

Jennifer Mutch • Science Coordinator •

jmutch@sccoe.org

Tara Sikorski • Science Coordinator •

tsikorski@sccoe.org



Dates:

Monday, September 26, 2022

Monday, October 24, 2022

Monday, November 28, 2022

Monday, January 23, 2023

Monday, February 27, 2023

Monday, March 27, 2023

Monday, April 24, 2023

Monday, May 22, 2023

Time: 4 to 5:30 p.m.

Location: Virtual via Zoom

Audience:

TK-12 Educators, TOSAs,
Administrators, Garden Coordinators,
Maintenance and Operations, After
School Garden Education Providers/Staff

Grade Level(s): TK – 12

Cost: FREE

Registration:

<https://na.eventcloud.com/689456>

Photo Credit: Living Classroom

REGISTER HERE: GROWING GARDENS COMMUNITY OF
PRACTICE

22-23 ENVIRONMENTAL LITERACY LEADERSHIP
COLLABORATIVE- COMMUNITY BASED PARTNERS



2022-2023 Environmental Literacy Leadership Collaborative-Community Based Partners (CBPs)

The Environmental Literacy Leadership Collaborative is a network of Community Based Partner organizations that will continue to explore ways to infuse environmental literacy into classrooms, schools, and districts.

We will continue to build and revise our vision and develop goals for environmental literacy & sustainability, build partnerships, and connect formal and informal educators in Santa Clara County.

Dates:

Thursday, September 15, 2022
Thursday, October 20, 2022
Thursday, November 17, 2022
Thursday, January 19, 2023
Thursday, February 16, 2023
Thursday, March 16, 2023
Thursday, April 27, 2023
Thursday, May 18, 2023

For more information, please contact:

Jennifer Mutch • Science Coordinator • (408) 453-6691 • jmutch@sccoe.org

Time: 3 to 5 p.m.

Location:

Virtual via Zoom

Audience:

Community Based Partner leadership, Informal Environmental Educators, and Community Based Partners

Grade Level(s): TK – 12

Registration:

<https://na.eventscloud.com/689420>



REGISTER HERE- ENVIRONMENTAL LIT. LEADERSHIP COLLAB
CBP

22-23 ENVIRONMENTAL LITERACY LEADERSHIP
COLLABORATIVE- TEACHER NETWORK



2022-2023 Environmental Literacy Leadership Collaborative- Teacher Network

The Environmental Literacy Leadership Collaborative is a network of teachers that will explore ways to infuse environmental literacy into classrooms, schools, and districts.

We will develop a vision for environmental literacy and sustainability, build partnerships, connect content to the Environmental Principles and Concepts (EP&Cs) and explore partnerships with Community Based Partners (CBPs) in Santa Clara County. Four of our meetings will overlap with the CBP Collaborative.

Dates:

Thursday, September 22, 2022
Thursday, October 20, 2022
Thursday, November 3, 2022
Thursday, January 26, 2023
Thursday, February 16, 2023
Thursday, March 23, 2023
Thursday, April 27, 2023
Thursday, May 18, 2023

For more information, please contact:

Jennifer Mutch • Science Coordinator • (408) 453-6691 • jmutch@sccoe.org

Time: 3:30 to 5 p.m.

Location:

Virtual via Zoom

Audience:

TK-12th Grade Teachers, TOSA's, and Instructional Coaches. We encourage teachers from all content areas to join in the collaborative (Science, History-Social Science, Civics, Health, Math, Arts, etc.)

Grade Level(s): TK – 12

Registration:

<https://na.eventscloud.com/691400>



REGISTER HERE- ENVIRONMENTAL LIT. TEACHER NETWORK

Partner Workshops & Events



FORESTRY CHALLENGE IS SEEKING FALL 2022 APPLICANTS

Registration information is here: [2022 Pre-registration - Forestry Challenge](#)

For more information check out their website: [Forestry Challenge - Forestry Challenge](#)

CALIFORNIA ASSOCIATION OF SCIENCE EDUCATORS
(CASE)



Registration is Now Open

Registration for the 2022 California Science Education Conference is now open! We're so excited to be back IN PERSON in sunny Palm Springs and give you an awesome, engaging and fun experience you won't forget! If you want a guaranteed spot at the conference, make sure to register early!



Take Advantage of the lowest registration rates TODAY!

[REGISTER ONLINE →](#)

Super Bird Rates in effect until June 15, 2022!

Partner Resources

raft®

RESOURCE AREA FOR TEACHING



The Tech Interactive

AGAINST ALL ODDS: MASTER DOMINO BUILDERS AT THE TECH INTERACTIVE

Tuesday, June 28 to Monday, July 4

Meet the expert builders featured on recent FOX primetime show “Domino Masters” as they construct a record-breaking domino run at The Interactive. Watch them build all week as their incredible structure takes shape. And don’t miss the grand finale July 4 at noon when tens of thousands of dominos will topple in a sight you have to see to believe. It’s as close to indoor fireworks as the fire marshal would allow.

The master builders will host drop-in workshops throughout the week so you can learn to build like a domino pro! Workshops start at 1 p.m. on weekdays and 2 p.m. on weekends in The Tech Studio.



TEACHER TUESDAYS IN JULY

Teacher Tuesdays in July

The Tech loves teachers! That's why we celebrate Teacher Appreciation Days in July instead of May (because we know May is ... kind of busy). We invite all current teachers, administrators and after-school providers to visit us on Tuesdays in July, where you'll receive:

- Free admission for yourself and up to three guests
- 10% off at the Tech store
- 10% off at the Tech cafe

Even better, on the last Tuesday, July 26, we'll be hosting our **Back to School Preview**, where you can experience our newest offerings, like Global Soundscapes and Sustainable Cities. Plus, you'll learn about other STEM resources like Book a Biologist, virtual field trips, free lessons, and professional development.

Just bring your teacher ID to our admission desk on Tuesdays in July and let us appreciate you!



Free admission to The Tech Interactive (excludes IMAX) for you and up to three guests.



Educator resources and goodies.



10% discount at the store and cafe.



Gift bags and raffle prizes for attending the Back to School Preview on Tuesday, July 26.

**Must show teacher ID for benefits.*

BACK TO SCHOOL PREVIEW

Come learn about all the STEM resources we have to offer teachers in 2022-23. Our Back to School Preview event on Tuesday, July 26 will feature information about our virtual resources, educational materials, professional development, and new experiences like Global Soundscapes in IMAX (you'll have to hear it to believe how incredible it is).

If you've never tried one of our Science Labs, we'll be offering a shorter version of our popular Down the Drain design challenge, so you can experience this collaborative learning approach for yourself. Plus, check out our new [Innovation Lab, Sustainable Cities](#), which challenges learners to grapple with the hard choices needed to make our local cities more climate-friendly. So, grab your colleagues and your staff ID and come join us! Our Back to School Preview is the best way to find out how you can integrate our fantastic STEM resources into your curriculum.

Back to School Preview Schedule

Tuesday, July 26

9:30 a.m. — Register; breakfast in IMAX entry

10:30 a.m. — Global Soundscapes preview in IMAX

11:20 a.m. — Brief presentation on educator resources + raffle!

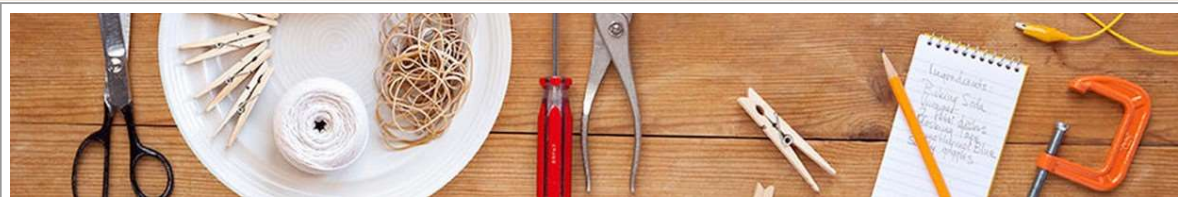
11:45 a.m. - 1 p.m. — Explore the Interactive on your own. Get 10% off at the Tech cafe!

1 - 1:30 p.m. — Lab preview (Down the Drain) or Sustainable Cities walkthrough

1:30 - 2 p.m. — Lab preview (Down the Drain) or Sustainable Cities walkthrough

2 - 3 p.m. — Explore the Interactive on your own

Schedule is subject to change. No pre-registration required.



EXPLORATORIUM- LEARNING TOOLBOX



CALIFORNIA
ACADEMY OF
SCIENCES

Monterey Bay Aquarium

LOG IN FOR MEMBERS SHOP

VISIT ANIMALS JOIN & GIVE ACT FOR THE OCEAN FOR EDUCATORS

Learning at home

Support children's learning at home for grades PreK through 12.

These online courses and family-friendly science activities encourage a sense of wonder and connection to the natural world while teaching important science concepts.

Love our educational resources? Support us with a donation.

MONTEREY BAY AQUARIUM LEARNING AT HOME RESOURCES

UPCOMING STEM WORKSHOPS- IN PERSON AND VIRTUAL IN THE BAY AREA

The Community Resources for Science (click on the image below) has put together a comprehensive list of Bay Area and beyond webinars, workshops, and self-directed learning opportunities. Some are fee-based and others are FREE.



Teacher Opportunities

AMGEN® Biotech Experience

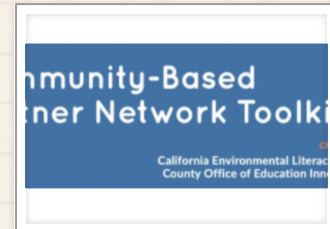
Scientific Discovery for the Classroom
San Francisco Bay Area

PROTEIN PURIFICATION COLUMN "MAKE AND TAKE" WORKSHOP

ABE is considering hosting a workshop in Fall 2022 for teachers already trained in protein purification who would like to make their own set of protein purification columns to use at their schools. Participants would make a class set of columns, learn about column maintenance and trouble-shooting, and leave with a class set of columns, column stands, and accessories. We would limit it to one set of columns per school, but would be happy to have multiple teachers attend, as long as all participants have completed the Complete Series Workshop prior to attending (which would include Summer 2022 participants). We would like to gauge the level of interest in this possibility. If you think you would be interested in this workshop, please fill out this [brief survey](#).

SCCOE ENVIRONMENTAL LITERACY, SUSTAINABILITY & CLIMATE

This is our updated site to find resources and information about Environmental Literacy, Sustainability and Climate Education.



CALIFORNIA ENVIRONMENTAL LITERACY INITIATIVE (CAELI)

The California Environmental Literacy Initiative (CAELI), led by *Ten Strands*, works statewide with guidance from a leadership council to create systems change in support of environmental literacy with a focus on access, equity, and cultural relevance for all students.

Check out all of the Toolkits and Resources developed for Administrators, Teachers and Community Based Partners. <https://ca-eli.org/resources-administrators/>

TEACHER CALL TO ACTION FOR ENVIRONMENTAL LITERACY

[The Teacher Call to Action for Environmental Literacy](#) is a three-part publication developed for educators by educators. Part 1: *The Imperatives for Environmental Literacy* defines the field and recounts its development in California. Part 2: *Voices from the Field* presents case studies of effective instruction at every grade level. Part 3: *Roadmap for Instruction* describes steps to increase Environmental Literacy integration. Discussion and reflection questions in each section will help move along your practice, individually or with your colleagues.

COMMUNITY-BASED PARTNER NETWORK TOOLKIT

The [Community-Based Partner Network Toolkit](#) has been designed to help county offices of education, school districts, and community-based partners establish and maintain networks to expand environmental literacy within California's K-12 educational landscape. The toolkit includes sections on types of community-based partners and networks, guidance for networks at different stages, self-assessment rubrics, and more.

LAWRENCE HALL OF SCIENCE RELEASES UPDATED OUTDOOR LEARNING GUIDANCE

When the [National COVID-19 Outdoor Learning Initiative](#) was launched in the summer of 2020, as a joint effort between founding partners Ten Strands, the Lawrence Hall of Science, Green Schoolyards America, and San Mateo County Office of Education, it was done to disrupt the educational inequities that were exacerbated by COVID-19. Since then, the intersection of new learning models and funding has created an opportunity to redefine the educational experience and better serve students, families, and communities. Read more here: [The Lawrence Hall of Science Releases New Guidance For Implementing Outdoor Learning - Ten Strands](#)

LAWRENCE HALL OF SCIENCE OUTDOOR LEARNING GUIDANCE

<https://ca-eli.org/link/the-lawrence-outdoor-learning-guidance/>

OUTDOOR LEARNING MENUS

<https://ca-eli.org/link/the-lawrence-outdoor-learning-menus/>

CRS- ARC-GIS EDUCATOR RESOURCES

There is also an ARC-GIS webinar series for Educators (3rd-12th Grade):

https://docs.google.com/forms/d/1ap_jzkOQSMxTI6fit8RQ3JeROu18jC4P3tEEmluculM/edit

NAVIGATING THE POLITICAL DIMENSIONS OF CLIMATE CHANGE TEACHING AND LEARNING FROM STEM TEACHING TOOLS

[CLICK HERE TO READ THE STEM TEACHING TOOLS](#)

ENVIRONMENTAL LITERACY COMMUNITY BASED PARTNER HUB

ENVIRONMENTAL LITERACY COMMUNITY BASED PARTNER HUB

A new website that features Community Based Partners that provide environmental education based experiences.

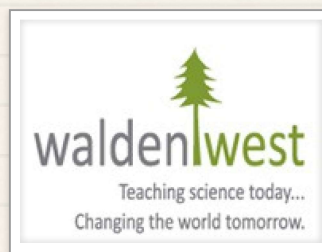
ENVIRONMENTAL AND SOCIAL JUSTICE AWARENESS DAYS

Earth Calendar or Eco Calendar



SCCOE

<https://www.scc-enviro-ed.org/>



WALDEN WEST

<http://www.waldenwest.org/>



CAELI

<https://ca-eli.org/>



SMCOE

<https://eeproviders.smcoe.org>



SANTA CRUZ COE

<https://sites.google.com/view/environmental-literacy-for-all/professional-learning>



SJCOE

<https://www.sjcoescience.org/environmental-literacy.html>



VALLEY WATER

<https://www.valleywater.org/>
Distance Learning Resources:
[Distance Learning NEW FOR 2020](#) | Santa Clara Valley Water

EVOLS

<https://www.evols.org/>
Distance Learning and COVID Modified Resources:
[2020/21 Programs \(COVID Modified\)](#) | [Environmental Volunteers - Environmental Volunteers \(evols.org\)](#)

LIVING CLASSROOM

<https://www.living-classroom.org/>

More Environmental Literacy Resources and Partners Featured on the SCCOE and SMCOE Environmental Literacy websites above.



ISTEAM- SCIENCE & ENVIRONMENTAL LITERACY

@sccoe

The mission of the Science Department is to provide service and support for all educational stakeholders. We offer workshops, conferences, and student events that promote the Next Generation Science Standards (NGSS).

Science explores and explains phenomena around us. It is a way of gaining, organizing, applying, and conveying knowledge of that phenomena. Having science as one of the core contents in K-12 education is vital as it influences our culture and has allowed society to flourish.

1290 Ridder Park Drive, San Jo...

vdejesus@sccoe.org

4084536587

sccoe.org/isteam/science/Pag...

SCCOE SCIENCE GOOGLE WEBPAGE

For even more resources, workshops and upcoming conferences, please visit our webpage. We are updating this weekly. Please also let us know if you have any events or workshops that you would like to share.

DISCLAIMER

Not all content presented is created by the SCCOE, and the views expressed in this content belong to the content creators and not the SCCOE or its employees.

