

Science & Environmental Literacy

September 2022-Santa Clara County Office of Education

Happy September! We hope that the first month of school (or longer) has been going smoothly for you all so far. We are excited to be moving into cooler weather and have lots of exciting things coming on the horizon.

We are happy to be able to share a fantastic resource guide to accompany Climate Action Week which starts September 19th, 2022 and goes through September 25th. Climate Action Week is an annual event that gathers climate leaders from public, private, and non profit sectors. Held every year in partnership with the United Nations General Assembly and leading up to the Council of the Parties or COP later in the fall. The largest event is held in New York City but there are over 500 events held throughout the world. Some of our local and national/virtual events are included in another section of the newsletter.

We created this guide to provide background, lessons, and resources to support educators with incorporating climate education into their classrooms and at school sites during and beyond Climate Action Week.

Please check out the [SCCOE Climate Action Educators Guide](#) and share it with your teachers and administrators.



Santa Clara County
Office of Education


Climate Action Week Educator Guide


September 19 - 25, 2022




UPCOMING events

NEXT GENERATION SCIENCE STANDARDS (NGSS) LEADERSHIP LAB

 Santa Clara County
Office of Education





Next Generation Science Standards (NGSS) Leadership Lab

The Santa Clara County Office of Education invites all TK-12 educators, TOSAs (Teachers on Special Assignments), instructional coaches, and district/school site administrators to the NGSS Leadership Lab.

During these sessions, we will:

- Engage in doing Science!
- Deepen our knowledge of NGSS and the associated pedagogical best practices for student centered science learning.
- Share tools and resources to improve our instructional practice.
- Build our leadership capacity to support other educators with their shifts towards NGSS.

Date & Time:	Virtual	In Person
Monday, October 25, 2022	4 p.m. - 6 p.m.	4 p.m. - 7 p.m.
Tuesday, March 14, 2023		4 p.m. - 7 p.m.
Tuesday, December 13, 2022		4 p.m. - 7 p.m.
Tuesday, May 16, 2023		4 p.m. - 7 p.m.

Location:
Virtual via Zoom and In Person

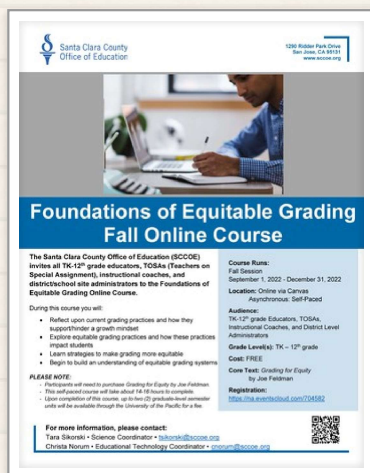
Audience:
TK-12 Educators, TOSAs, Instructional Coaches, as well as Site and District Level Administrators

- Engage in doing Science!
- Deepen our knowledge of NGSS and the associated pedagogical best practices for student centered science learning.
- Share tools and resources to improve our instructional practice.
- Build our leadership capacity to support other educators with their shifts towards NGSS.

additional ways to connect with other science educators from across the state.

Register Here: NGSS Leadership Lab

FOUNDATIONS OF EQUITABLE GRADING



Santa Clara County Office of Education
1300 Mission Park Drive
San Jose, CA 95128
www.sccoe.org

**Foundations of Equitable Grading
Fall 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/branch 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 40-50 hours to complete. Upon completion of this course, up to two (2) graduate-level semester units will be available through the University of the Pacific for a fee.

For more information, please contact:
Tara Shores • Science Coordinator • tshores@sccoe.org
Christa Norum • Educational Technology Coordinator • cnorum@sccoe.org

Course Name: Foundations of Equitable Grading
Fall Session: September 1, 2022 - December 31, 2022
Location: Online via Canvas
Asynchronous, Self-Paced

Audience: TK-12th grade Educators, TOSAs, Instructional Coaches, and District Level Administrators
Grade Levels: TK - 12th grade
Cost: FREE

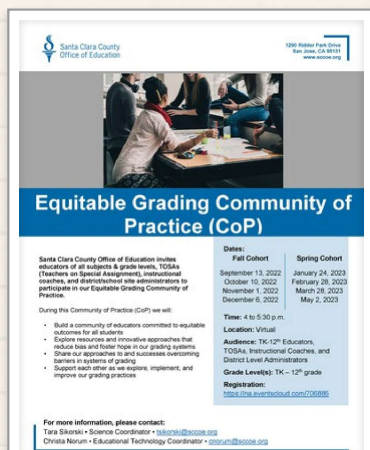
Core Text: *Grading for Equity* by Joe Feldman
Registration: <https://na.exetribout.com/24582>

Fall Online Course

- 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

Register Here: Foundations of Equitable Grading Course

EQUITABLE GRADING COMMUNITY OF PRACTICE



Santa Clara County Office of Education
1300 Mission Park Drive
San Jose, CA 95128
www.sccoe.org

Equitable Grading Community of Practice (CoP)

Santa Clara County Office of Education invites educators of all subjects & grade levels, TOSAs, Teachers on Special Assignment, Instructional coaches, and district/branch site administrators to participate in our Equitable Grading Community of Practice.

During this Community of Practice (CoP) we will:

- Build a community of educators committed to equitable outcomes for all students
- Explore resources and innovative approaches that reduce bias and foster hope in our grading systems
- Share our approaches to and successes overcoming barriers in systems of grading
- Support each other as we explore, implement, and improve our grading practices

Dates:
Fall Cohort: September 13, 2022 - December 6, 2022
Spring Cohort: January 24, 2023 - May 2, 2023
Time: 4 to 5:30 p.m.

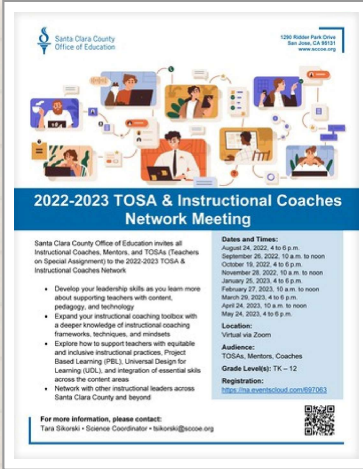
Location: Virtual
Audience: TK-12th Educators, TOSAs, Instructional Coaches, and District Level Administrators
Grade Levels: TK - 12th grade
Registration: <https://na.exetribout.com/20686>

For more information, please contact:
Tara Shores • Science Coordinator • tshores@sccoe.org
Christa Norum • Educational Technology Coordinator • cnorum@sccoe.org

- Build a community of educators committed to equitable grading outcomes for all students
- Explore resources & innovative approaches that reduce bias and foster hope in our grading systems
- Share our approaches to and successes overcoming barriers in systems of grading
- Support each other as we explore, implement, and improve our grading practices

Register Here: Equitable Grading Community of Practice

TOSA & INSTRUCTIONAL COACHES NETWORK



2022-2023 TOSA & Instructional Coaches Network Meeting

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 24, 2022, 4 to 6 p.m.
 September 20, 2022, 10 a.m. to noon
 October 18, 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 20, 2023, 4 to 6 p.m.
 April 24, 2023, 10 a.m. to noon
 May 24, 2023, 4 to 6 p.m.

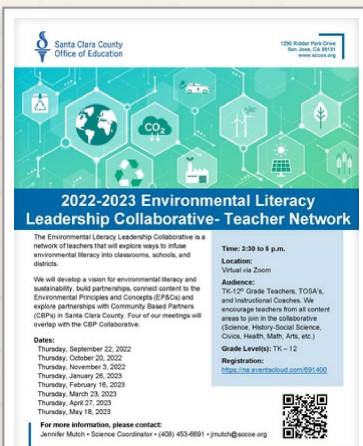
Location: Virtual via Zoom
Audience: TOSAs, Mentors, Coaches
Grade Levels: TK – 12
Registration: <https://na.zoom.us/j/927263>

For more information, please contact:
 Tara Skurish • Science Coordinator • tskurish@sccoe.org

- 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

Register Here: TOSA & Instructional Coaches Network

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

Time: 3:30 to 6 p.m.
Location: Virtual via Zoom
Audience: TK-12 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 Levels: TK – 12
Registration: <https://na.zoom.us/j/91490>


For more information, please contact:
 Jennifer Muth • Science Coordinator • (408) 453-6891 • jmuth@sccoe.org

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.

Register Here- Environmental Lit. Teacher Network

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

Time: 3 to 5 p.m.
Location: Virtual via Zoom
Audience: Community Based Partner leadership, Informal Environmental Educators, and Community Based Partners
Grade Levels: TK - 12
Registration: <https://lna.eventbrite.com/699450>

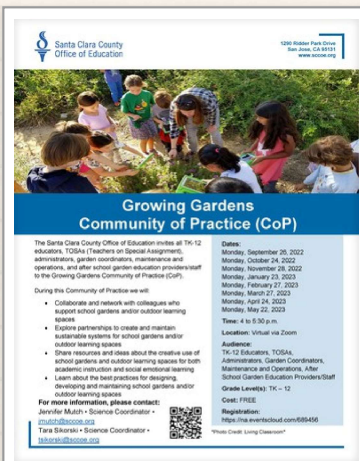
For more information, please contact:
 Jennifer Muzik • Science Coordinator • (408) 453-6691 • jmuzik@scocoe.org

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.

Register Here- Environmental Lit. Leadership Collab CBP

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 operators, and other school garden-education practitioners to the Growing Gardens Community of Practice (CoP).

During the 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

Dates:
 Monday, September 20, 2022
 Monday, October 24, 2022
 Monday, November 28, 2022
 Monday, January 23, 2023
 Monday, February 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 Levels: TK - 12
Credit: FREE
Registration: <https://lna.eventbrite.com/688456>

For more information, please contact:
 Jennifer Muzik • Science Coordinator • jmuzik@scocoe.org
 Tara Skorski • Science Coordinator • tskorski@scocoe.org

- 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.

Register Here: Growing Gardens Community of Practice

COMPREHENSIVE SEXUAL EDUCATION NETWORK

Comprehensive Sexual Health Education Network

Join this Network to discuss:

- Best practices for implementing CHYA-compliant Sexual Health Education
- Resources and tools for building community support and responding to CSE opposition
- The intersection of Sexual Health, Mental Health, and Social Emotional Learning Education Strategies

Purpose of CSE Network

The Comprehensive Sexual Health Educator Network brings together school districts, CCE staff and community partners to discuss CSE implementation. The network provides content expertise and resources to support the development of educational programs and school policies that promote student health and well-being.

Date:
September 21, 2022
January 18, 2023
March 29, 2023

Time: 9 to 10:30 a.m.

Location:
Virtual via Zoom

Audience:
K-12 Administrators, TCSEAs, and site level leadership responsible for coordinating CSE implementation in Santa Clara, San Mateo, Santa Cruz County or Monterey County districts & schools

Registration:
<https://ia.eventcloud.com/697312>

For more information, please contact:
Tara Skovish - Science Coordinator • tskovish@soeoc.org
Darin Markus - CTE & STEM Coordinator • dmarkus@soeoc.org
Heather Woyan - Science Coordinator • hwoyan@soeoc.org
Lara Carey - Program Coordinator • lcarey@soeoc.org

Cardea APPN

Join this Network to discuss:

- Best practices for implementing CHYA-compliant Sexual Health Education
- Resources and tools for building community support and responding to CSE opposition
- The intersection of Sexual Health, Mental Health, and Social Emotional Learning Education Strategies

Register Here: Comprehensive Sexual Education Network

COMPREHENSIVE SEXUAL EDUCATION TRAININGS

Comprehensive Sexual Education Trainings

Join these Teacher Trainings to learn about:

Trauma-Informed Approach to Sexual Health Education (11/22 & 1/23/23)

- This two-part training will introduce and define the different types of trauma, common trauma responses, and provide practical tools to support students during sexual health education.

Consent Revisited (2/23/23)

- This interactive workshop utilizes real life examples and case studies to provide participants with skills to discuss consent in the classroom when it comes to the gray areas. Participants will identify ways that power and privilege can complicate consent, and will gain tools to make education about consent more inclusive of students who are gender and sexually expansive and/or from marginalized communities.

Teaching Inclusive Anatomy (3/23/23)

- This training increases teachers' skills in teaching anatomy in an inclusive and gender-neutral way by introducing participants to new, innovative publicly-owned, and practicing teaching inclusive sexual anatomy with peers.

Date:
November 2 and 8, 2022
February 6, 2023
March 22, 2023

Time: 4 to 6 p.m.

Location:
Virtual via Zoom

Audience:
K-12 Educators

Grade Levels: K - 12

Cost: \$50 per training or \$120 for three

Registration:
<https://ia.eventcloud.com/697380>


For more information, please contact:
Tara Skovish - Science Coordinator • tskovish@soeoc.org

Cardea APPN

Join these Teacher Trainings to learn about:

- Trauma-Informed Approach to Sexual Health Education
- Consent Revisited
- Teaching Inclusive Anatomy

Register Here: CSE Trainings



UN Sustainable Development Mini Design Challenge

This mini design challenge is an opportunity for educators to learn about the Ciena Solutions Challenge, where students of all abilities and ages are invited to form an inclusive team to study relevant real-world problems.

This mini design challenge will include:

- Additional details about the Ciena Solutions Challenge
- Information on how to apply for a Ciena Sustainability Award (\$2500) to sustain or scale challenge projects
- Opportunities for professional learning and mentoring for educators and students throughout the development of the project

Who is invited to participate?

- K-12 educators of all content areas interested in equitable and inclusive science learning, civic engagement, and project-based learning
- We invite you to bring a partner or team!

Facilitated by:
Pravek Soodan, an engineering teacher, building software solutions for social problems in California. She is a passionate professional speaker and a person in both for professional and educational work. She is dedicated to equity when choosing educational programs in 2020s open, inclusive and respectful systems. Pravek, as a member of an active digital learning for connecting equal of digital content to inspire and empower to create a better future.

David Oakes, a software engineer who has spent his career developing tools to improve the lives of people with disabilities. He has worked at Google, Microsoft, and Amazon. He is currently a senior software engineer at Amazon, where he works on a service environment for several countries. These experiences have allowed him to provide a lot of engineering skills to work in any environment and to create, design, and build new services. He has many opportunities to transfer these skills to pursue his desire to help underserved communities.

For more information, please contact:
 Orca Services • Coordinators: Henry Social Science & Civic Engagement • 408-453-4261 • Orca@scieoe.org

THE POWER OF DEMOCRACY

ciena **SPES** **Digital Inclusion**

UN Sustainable Development Mini Design Challenge

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- Additional details about the Ciena Solutions Challenge
- Information on how to apply for a Ciena Sustainability Award (\$2500) to sustain or scale challenge projects
- Opportunities for professional learning and mentoring for educators and students throughout the development of the project

Register Here to learn about the Mini Design Challenge

NASA TECHRISE STUDENT CHALLENGE-TECHNICAL SUPPORT



NASA TechRise Student Challenge- Technical Support

Do you want to join forces and participate in the **TechRise Challenge by NASA**? Get set to design an experiment to test on a high-altitude hot air balloon! All engines are fired, and we are ready to take off!

Let's get started with integrating Science, Technology, Engineering, Arts & Mathematics in your lessons this school year. No experience is required to enter the challenge. The winning team will get technical support during the experiment build phase from NASA Future Engineers advisors.

The Santa Clara County Office of Education invites all 6th to 12th grade educators who are interested to take up this challenge. We are looking for some additional support! We will help you get started by providing technical advice from experts and guidance to help write the proposal.

Let's take our students through the engineering design process, invite curiosity, engage in a hands-on activity, experiment, and be part of the latest in space exploration.

The deadline to submit the proposal to NASA is Oct 24th, 11:59pm PT.

There is no time to lose, act fast and sign up!

For more information, please contact:
 Anupama Gupta • Educational Technology Coordinator • agupta@scieoe.org

Date:
 Tuesday, September 13, 2022
 Monday, September 20, 2022
 Monday, October 10, 2022
 Monday, October 17, 2022

Time: 3:30 to 5 p.m.

Location: Virtual

Audience:
 Educators, Site Administrators, TOSAs, and Instructional Coaches

Credit Level(s): 6 - 12th grade

Registration:
<https://naa.eventscloud.com/13911>

• NASA Teacher Student Challenge and its logo are the property of the National Aeronautics and Space Administration (NASA).

Let's get started with integrating Science, Technology, Engineering, Arts & Mathematics in your lessons this school year. No experience is required to enter the challenge. The winning team will get technical support during the experiment build phase from NASA Future Engineers advisors.

The Santa Clara County Office of Education invites all 6th-12th grade educators who are interested to take up this challenge but are looking for some additional support! We will help you get started by providing technical advice from experts and guidance to help write the proposal!

Register Here: NASA TechRise Student Challenge-
Support

Partner Workshops & Events

CALIFORNIA ASSOCIATION OF SCIENCE EDUCATORS (CASE)



Join us at **case**
california association
of science educators

Saturday, October 15th

1:00 - 2:30 PM

Equity, Anti-Racism, and Social Justice. Oh my!

2:45 - 4:15 PM

Environmental Tools for Teachers

Identity, Implicit Bias, and the Anti-Racist Science Classroom

#CAScience22 #CANGSS #WeAreSCCOE



Register Here for the CASE Conference

SAVE THE DATE: CA NGSS COLLABORATIVE PROFESSIONAL
LEARNING SERIES #2

CA NGSS COLLABORATIVE
Presents:

Professional Learning Series #2 (2022-2023)

COHERENT SCIENCE ASSESSMENT SYSTEMS

Build Awareness of Equitable NGSS Assessment Systems

MEANINGFUL ASSESSMENT OPPORTUNITIES (BY GRADE SPAN)

3-DIMENSIONAL ASSESSMENT (BY GRADE SPAN)

EVALUATING TOOLS AND RESOURCES

ANALYZING ASSESSMENT SYSTEMS

Offering #1: November 8-9, 2022 / 8:00 am - 3:00 pm (virtual)
Offering #2: January 10, 17, 24, 31 - 2023 / 4:00 pm - 7:00 pm (virtual)
Offering #3: March 1-2, 2023 / 8:00 am - 3:00 pm (virtual)

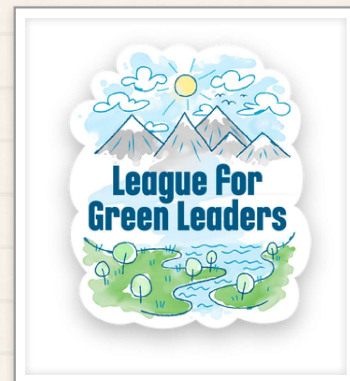


Registration information is here: [2022 Pre-registration - Forestry Challenge](#)

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

Partner Resources

CLIMATE ACTION WEEK EVENTS



Community Climate Action Day in San Jose

Join us for the California Climate Action Corps Community Climate Action Day, a volunteer service event and celebration hosted in collaboration with California Climate Action Corps, HandsOn Bay Area, City of San José and Mayor Sam Liccardo, Veggielution, and other San José community organizations!

NEEF Climate Superstars Challenge– Starts October 1st.

[Be a Climate Superstar | NEEF \(neefusa.org\).](#)

[Climate Superstars is an online environmental challenge that gets kids excited about the environment and how they can take an active role in caring for its future. During the challenge, middle school classrooms and after-school programs \(Grades 6-8\) complete short tasks geared towards environmental literacy and energy efficiency.](#)

League for Green Leaders

League for Green Leaders invites children to play to learn, play together, and play for our future. It has already engaged and empowered children in North America to save many tonnes of CO₂e by choosing a more sustainable way to live.

<https://www.climateweeknyc.org/events/league-green-leaders-competition>

POPULATION EDUCATION

SEL Activities for Global Citizenship and Environmental Literacy



Image Credit: Students and teacher examining potted plants through magnifying glass. (Shutterstock.com)

Free Webinar Opportunity for K-8 Teachers

Join Population Education on Thursday, September 29th at 4:30pm ET for classroom materials and discussion to promote SEL skills while addressing global issues in the K-8 classroom.

[Click here for more information and to register!](#)

Join us for a free, interactive webinar where we will explore how social-emotional learning can help your students grow as environmentally literate, global citizens. The complex issues we face as a global family (think, climate change) will require leaders who can collaborate, solve problems, make responsible decisions, and promote tolerance. SEL helps students of all ages grow more self-aware and socially conscious, build positive relationships, and succeed both in and out of the classroom.

All participants will receive:

- Our full K-12 curriculum, *Teaching Population: Hands-on Activities* (over 60 lesson plans).
- Certificate of completion, showing 1-hour virtual PD.
- Access to all digital tools for integrating technology into your classroom.

[Register Now!](#)

Population Education Teacher Workshops



Saved by Nature Community Events

raft[®]

**RESOURCE AREA
FOR TEACHING**



The Tech Interactive



Exploratorium- Learning Toolbox



**CALIFORNIA
ACADEMY OF
SCIENCES**



Plan your science content with ease by choosing from our extensive database of supplemental resources. We have [science videos](#) and [full films for streaming](#), along with a handful of compelling [infographics and visualizations](#).

Looking for lesson plans? Here are some scannable collections:

- [Astronomy Activities](#)
- [Earth Science Activities](#)
- [Life Science Activities](#)
- [Physical Science Activities](#)
- [Science Notebook Activities](#)

Search by grade level: [preK](#) | [K](#) | [1st](#) | [2nd](#) | [3rd](#) | [4th](#) | [5th](#) | [6th-8th](#) | [9th-12th](#)

All of our resources for K-12 classrooms are free!

Teaching Resources for the Science Classroom

SUSTAINABLE SEAFOOD (GRADES 6-12)



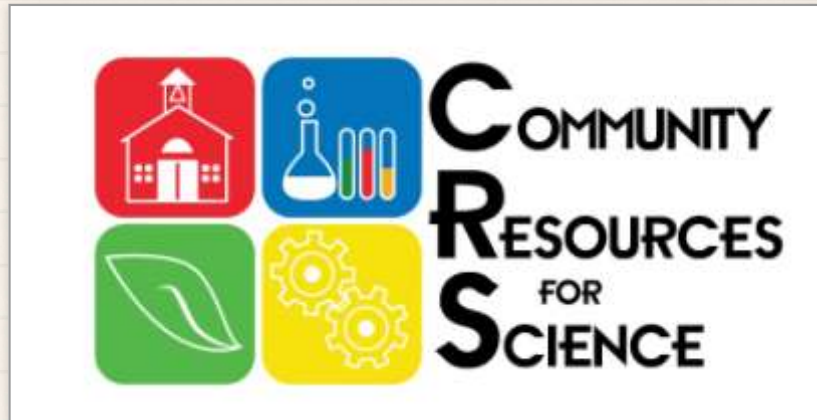
[Click Here for More Information](#)

The screenshot shows the Monterey Bay Aquarium website. At the top left is the logo and name 'Monterey Bay Aquarium'. To the right are links for 'LOGIN', 'FOR MEMBERS', and 'SHOP'. Below this is a navigation menu with 'VISIT', 'ANIMALS', 'JOIN & GIVE', 'ACT FOR THE OCEAN', and 'FOR EDUCATORS'. A search bar is on the right. The main heading is 'Learning at home'. Below this is a large image of clownfish. A white text box in the center reads: '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.

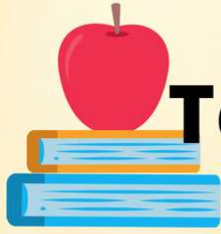


NGSS NOW Newsletter for September 2022

NGSS NOW

6 things to know about quality K-12 science education in September 2022





Teacher Opportunities

AMGEN[®] Biotech Experience

Scientific Discovery for the Classroom
San Francisco Bay Area

Fall Training on Abridged Series

Amgen Biotech Experience (ABE) Fall training on the Abridged Series is now open for [sign ups!](#) The workshop will be held at the Lawrence Hall of Science, in Berkeley, Saturday, September 24 - Sunday, September 25. This free workshop will train you on all of the Abridged Series labs and is open to any high school science teacher interested in incorporating ABE into their class. Once you complete the training you will be eligible to check out equipment kits and receive the reagents and consumables free of charge.

Outdoor Learning Guidance

The
Lawrence
Hall of
Science

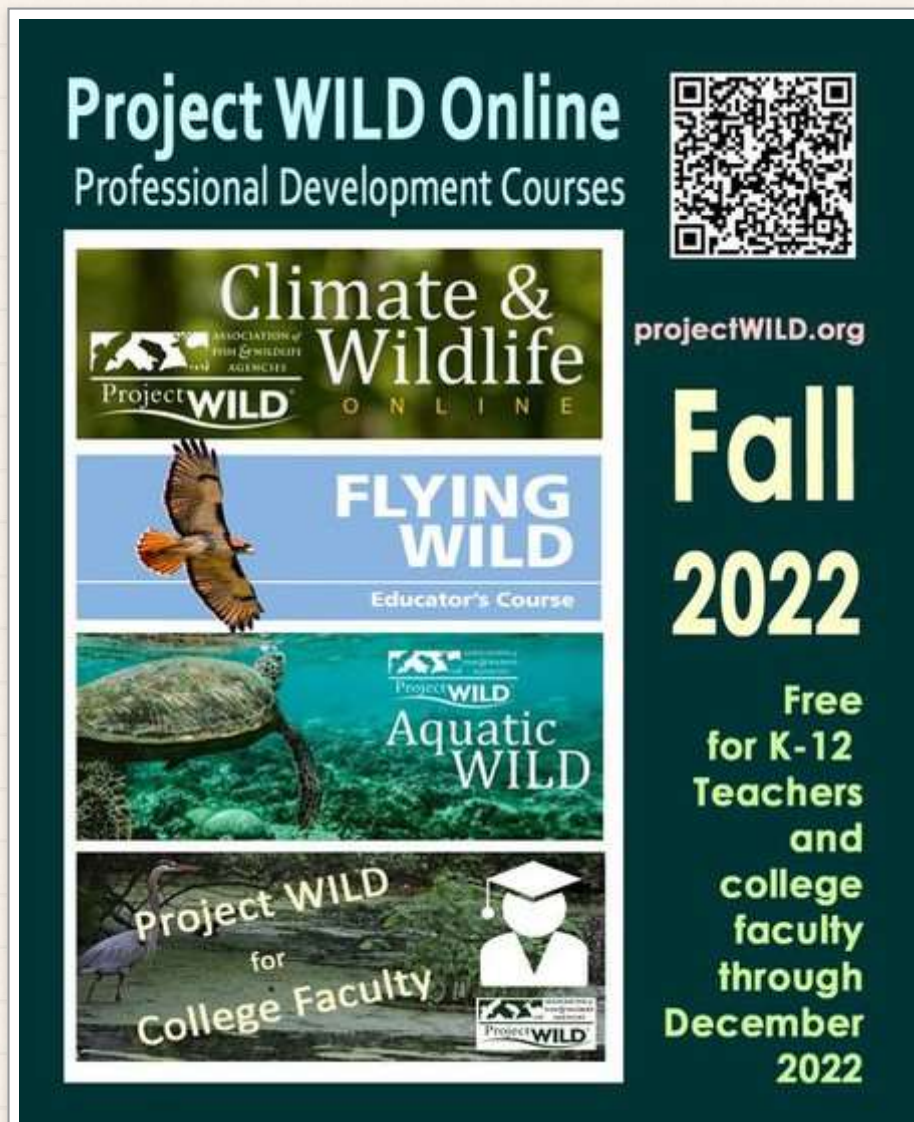
UNIVERSITY OF CALIFORNIA, BERKELEY




Outdoor Learning Menu

PROJECT WILD FREE PROFESSIONAL LEARNING FOR K-12 AND POST-SECONDARY

ATTENTION TEACHERS & COLLEGE FACULTY: Starting August 15, 2022 [Project WILD](https://www.projectwild.org) is offering formal educators and college level instructors/professors FREE access to some of WILD's online professional development courses. This free registration is available to K-12 classroom teachers, school staff, school district staff, college level instructors, professors, and college faculty. Each course is self-paced and a Certificate of Completion will be provided to participants for each course completed. For more information and to register, visit www.projectwild.org. You can also access the registration form with the QR code.



Project WILD Online
Professional Development Courses



[projectWILD.org](https://www.projectwild.org)

Fall 2022

Free for K-12 Teachers and college faculty through December 2022

Climate & Wildlife
Project WILD ONLINE

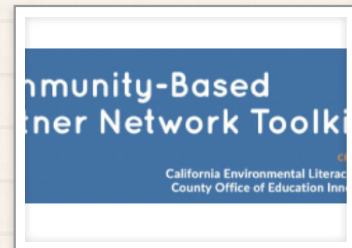
FLYING WILD
Educator's Course

Aquatic WILD

Project WILD for College Faculty

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.

Environmental and Social Justice Awareness Days

Earth Calendar or Eco Calendar

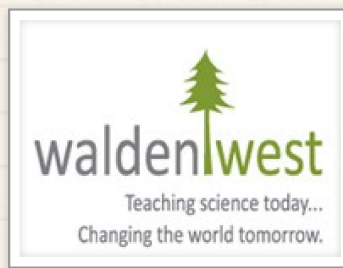
Environmental Literacy Community Based Partner Hub

A website that features Community Based Partners that provide environmental education based experiences for classrooms and students.



SCCOE

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



Walden West

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



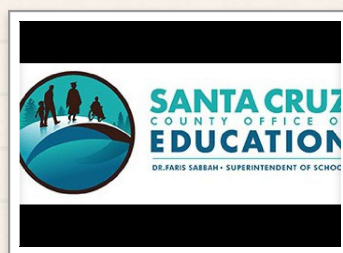
CAELI

<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/Pa...

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.

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.

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