Welcome to the 2022 - 2023 school year! Here we are at the start of a new school year and we’re still wondering where did July go?

We hope you were able to take some time this summer to do the things that brought you joy and opportunities to rest and recharge. We all need more joy in our lives and we hope that you make space for joy within your teaching and learning context.

Among the excitement of the new school year, we encourage you take a moment to pause and reflect on the following questions:

- Where do you find joy in science education?
- Where do your students find joy in science?
- How might you foster more moments of joy in the teaching and learning of science?

Then, use the thoughts and ideas that surface to help guide and carry you through this school year.

**What’s Happening in 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 (one for teachers and another for community based partners)
- Foundations of Equitable Grading Online Course
- Equitable Grading Community of Practice
- NGSS Leadership Lab
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.

UPCOMING

NEXT GENERATION SCIENCE STANDARDS (NGSS)
LEADERSHIP LAB
Next Generation Science Standards (NGSS) Leadership Lab

The Santa Clara County Office of Education invites all TK-12 educators, TOSAs (Teachers on Special Assignment), 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.
- Stay up to date with the latest CA NGSS news, statewide and local professional learning opportunities, as well as additional ways to connect with other science educators from across the state.

For more information, please contact:
Jennifer Mutch • Science Coordinator • jmutch@sccoe.org
Tara Sikorski • Science Coordinator • tsikorski@sccoe.org

Dates & Times:
Virtual
4 p.m. – 6 p.m.

In Person*
4 p.m. – 7 p.m.

Tuesday, October 25, 2022
Tuesday, December 13, 2022
Tuesday, March 14, 2023
Tuesday, May 16, 2023

Location:
Virtual via Zoom and In Person*

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

Grade Level(s): TK – 12

Cost: $220 per person

Registration:
https://na.eventbrite.com/707638

* Dinner included

Register Here: NGSS Leadership Lab

FOUNDATIONS OF EQUITABLE GRADING FALL ONLINE COURSE
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/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 14-15 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.

Course Runs:
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 Level(s): TK – 12th grade

Cost: FREE

Core Text: Grading for Equity by Joe Feldman

Registration:
https://ria.eventscloud.com/704592

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

Register Here: Foundations of Equitable Grading Course

EQUITABLE GRADING COMMUNITY OF PRACTICE
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/school 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

For more information, please contact:

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

Dates:

<table>
<thead>
<tr>
<th>Fall Cohort</th>
<th>Spring Cohort</th>
</tr>
</thead>
<tbody>
<tr>
<td>September 13, 2022</td>
<td>January 24, 2023</td>
</tr>
<tr>
<td>October 10, 2022</td>
<td>February 28, 2023</td>
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<tr>
<td>November 1, 2022</td>
<td>March 28, 2023</td>
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<td>December 6, 2022</td>
<td>May 2, 2023</td>
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Time: 4 to 5:30 p.m.
Location: Virtual

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

Grade Level(s): TK – 12th grade
Registration:
https://na.eventcloud.com/706896

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 26, 2022, 10 a.m. to noon
- October 19, 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.eventbrite.com/e/1970983

For more information, please contact:
Tara Sikorski • Science Coordinator • tsikorski@scoe.org

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

For more information, please contact:
Jennifer Mutch • Science Coordinator • (408) 453-6691 • jmutch@scoe.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

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 • mmutch@secce.org
Tara Sikorski • Science Coordinator • tsikorski@secce.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.eventbrite.com/689456

*Photo Credit: Living Classroom*
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 Level(s):** TK – 12
**Registration:**
https://na.eventscloud.com/686420

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

Register Here—Environmental Lit. Leadership Collab CBP

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

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, TOSAs, and site level leadership responsible for coordinating CSE implementation in Santa Clara, San Mateo, Santa Cruz County or Monterey County districts & schools

Registration:
https://na.eventbrite.com/697312

For more information, please contact:
Tara Sikorski • Science Coordinator • tsikorski@sccoe.org
Doron Markus • CTE & STEM Coordinator • dmarkus@smcoe.org
Heather Wygant • Science Coordinator • hwygant@santacruzcvoe.org
Lora Carey • Program Coordinator II • lcarey@montereycoe.org

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 (11/2/22 & 11/9/22)**
- 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 (2/8/23)**
- 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 grey 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 (3/8/23)**
- This training increases teachers’ skills in teaching anatomy in an inclusive and gender-neutral way by introducing participants to new, innovative puberty videos, and practicing teaching inclusive sexual anatomy with peers.

**Date:**
- November 2 and 9, 2022
- February 8, 2023
- March 22, 2023

**Time:** 4 to 6 p.m.

**Location:**
- Virtual via Zoom

**Audience:**
- K-12 Educators

**Grade Level(s):** K – 12

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

**Registration:**
https://na.eventbrite.com/697380

For more information, please contact:
Tara Sikorski • Science Coordinator • tsikorski@scoe.org

Register Here: CSE Trainings
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!

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

CLAUDE’S HATCHDAY (GRADES 2-4)

Thursday, September 15, 2022
9:45 am PT for English-only presentation
11 am PT for Spanish-English bilingual presentation

It's Claude's Hatchday! Come celebrate the Academy's iconic alligator with albinism as he turns 27. We will explore swamps as
we learn about Claude’s history and the ecosystem that alligators call home. Teachers can find optional extension activities that are designed to be self-directed by the students or used as class group work. This YouTube Livestream is designed for grades 2-4, but all are welcome.

Register Here: Claude’s Hatchday

SUSTAINABLE SEAFOOD (GRADES 6-12)

Healthy Oceans: Sustainable Seafood | California Academy of Sciences

Click Here for More Information
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 August 2022

NGSS NOW

8 things to know about quality K-12 science education in August 2022
Back to School
Science Ideas!

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.

PORTS Resources and Fall Registration

ATTENTION TEACHERS! PORTS fall registration officially begins SEPTEMBER 1 at 3pm for California teachers.

CALIFORNIA TEACHER REGISTRATION BEGINS

WWW.PORTS-CA.US
SCCOE Environmental Literacy, Sustainability & Climate

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

Teaching Climate Change Essentials

- Designed for any subject or grade level
- Facilitates integration into current curriculum
- Virtually facilitated by subject experts

A FREE, facilitated nine-week online course for K-5 teachers starting on September 19th, 2022

Teaching Climate Change Essentials is designed to engage and equip teachers with the knowledge, skills, and tools needed to successfully incorporate climate science into their classrooms, regardless of grade level or subject area. Teachers are supported in aligning climate education to state standards and integrating climate literacy into their curriculum.

This comprehensive teacher professional development course was designed by Presidio Graduate School in collaboration with Green Guardians.

Teachers can enroll for CEUs or free PD hours.

Presidio Graduate School is the first and only graduate school dedicated to education grounded in sustainability and social justice.

Green Guardians is an iD/tech startup that promotes K-12 environmental literacy through technology innovations, lesson series, and partnerships.

Enroll now at https://tinyurl.com/3cube5f2
Teaching Climate Change Essentials
A FREE, facilitated nine-week online course for K–5 teachers starting on September 19th, 2022

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/](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.
Outdoor Learning Guidance

Outdoor Learning Menu

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

ATTENTION TEACHERS & COLLEGE FACULTY: Starting August 15, 2022 Project WILD 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.
Environmental and Social Justice Awareness Days
Earth Calendar or Eco Calendar

Environmental Literacy Community Based Partner Hub
A new website that features Community Based Partners that provide environmental education based experiences.
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.
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 Jose, CA 95126
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.

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