

Science & Environmental Literacy

JANUARY 2022 - SANTA CLARA COUNTY OFFICE OF EDUCATION

HAPPY NEW YEAR!

We hope you had an opportunity to rest and recharge over the winter break!

With the new year, comes new opportunities! The SCCOE Science team has a whole set of new and exciting professional learning experiences that we are hosting over the next five months! We hope you see these series as an opportunity to renew your science educator energy and a way to find community to support you through the rest of the 2021-2022 school year.

We have two different Science focused series that feature best practices in NGSS pedagogy to support equitable outcomes for ALL students.

- *Creating Powerful Learning Experiences in Science* - This is not your average virtual PL series! This is a space to do some science, connect with other science educators from around the Bay Area, and renew your passion for engaging students in powerful learning experiences. Registration includes a hands on science kit of supplies for the sessions, a copy of *Ambitious Science Teaching*, and a fantastic surprise guest speaker at our kick-off session!
- *Antiracism & Social Justice in the Science Classroom* - Join us in creating a community of science educators who are open to engaging in conversations about equity, antiracism, and social justice. We'll explore what these terms mean/look like in the context of our work and support each other in the next steps on our journey towards humanizing the pursuit of science. We'd love to have you join us wherever you are in your equity work!

We are also starting a new Community of Practice to support school garden initiatives.

- *Growing Gardens Community of Practice (CoP)* - Are you in charge of your school's garden but don't have a green thumb? Do you want to start a new garden or revive one from disrepair? Are you looking for ways to incorporate gardens into your curriculum? No problem, we have just the community for you! Join us in our launch of our newest CoP to

support sustainable school gardening initiatives. Our sessions are designed for collaboration & networking to support wherever you are in the process.

If any of these sessions sound interesting to you, see the next section for the registration link.

Last but not least, we are getting closer to announcing the details about our Environmental Literacy Summit. Stay tuned for more information!

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 & 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 or phone.

Jennifer Mutch at Jmutch@sccoe.org

Tara Sikorski at Tsikorski@sccoe.org

We are here to support your high quality science and environmental literacy instruction.

Upcoming Events



2021 LEADERSHIP & LEARNING SERVICES CATALOG



Santa Clara County
Office of Education

PLISD CATALOG

2021-2022 Professional Learning and Instructional Support Division (PLISD) Catalog

GROWING GARDENS COMMUNITY OF PRACTICE (COP)



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, January 31, 2022
Monday, February 28, 2022
Monday, March 28, 2022
Monday, April 25, 2022
Monday, May 23, 2022

Time: 4 to 5:30 p.m.

Location: Virtual + 1 in-person field trip on May 23, 2022

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.eventscloud.com/657647>

REGISTER HERE: GROWING GARDENS COP

ANTIRACISM & SOCIAL JUSTICE IN THE SCIENCE
CLASSROOM



Antiracism & Social Justice in the Science Classroom

Santa Clara County Office of Education invites all TK-12 Educators, TOSAs (Teachers on Special Assignment) and Administrators to the Antiracism & Social Justice in the Science Classroom Series in Spring 2022.

This series will explore the conditions of an antiracist science classroom along with the intentional integration of critical literacy and social justice based phenomenon into lesson sequences in order to humanize the pursuit of science and engage students in authentic sense-making.

Session Topics:

- Session 1:** Equity, Anti-racism, and Social Justice. Oh my!
- Session 2:** Identity & Intersectionality in Science Classrooms
- Session 3:** Classroom Culture, Student Status, & Discourse
- Session 4:** Humanizing the Pursuit of Science

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



Dates:

Wednesday, March 23, 2022
Wednesday, March 30, 2022
Wednesday, April 6, 2022
Wednesday, April 13, 2022

Time: 4 to 5:30 p.m.

Location: Virtual

Audience:

TK-12 Educators, TOSA's, and
Administrators

Grade Level(s): TK – 12

Cost: \$160

Registration:

<https://na.eventscloud.com/655609>

REGISTER HERE: ANTIRACISM & SOCIAL JUSTICE

CREATING POWERFUL LEARNING EXPERIENCES IN
SCIENCE - PROFESSIONAL LEARNING SERIES IN
WINTER/SPRING 2022

Creating Powerful Learning Experiences in Science



Professional Learning Series in Winter/Spring 2022

Santa Clara County Office of Education invites all TK-12 Educators and Administrators to the Creating Powerful Learning Experiences In Science Professional Learning Series in Winter/Spring 2022.

Participation in the workshop series includes:

- 6 virtual sessions
- 4 optional sessions for Coaching and Support
- A copy of Ambitious Science Teaching
- Materials

Optional Sessions for Coaching & Support Dates:

- Thursday, February 17, 2022
- Tuesday, March 15, 2022
- Wednesday, April 20, 2022
- Tuesday, May 10, 2022

All support sessions will be virtual from 3:30-5pm

For more information, please contact:

Jennifer Mutch • Science Coordinator •

jmutch@sccoe.org

Tara Sikorski • Science Coordinator •

tsikorski@sccoe.org



Dates:

Wednesday, February 2, 2022
Tuesday, March 1, 2022
Tuesday, April 5, 2022
Tuesday, May 3, 2022
Tuesday, May 24, 2022
Wednesday, June 1, 2022

Time: 4 to 5:30 p.m.

Location: Virtual

Audience: TK-12 Educators and Administrators

Grade Level(s): TK – 12

Cost: \$250

Teams of three, get their Administrator in for FREE

Registration:

<https://na.eventscloud.com/650525>

REGISTER HERE: CREATING POWERFUL LEARNING
EXPERIENCES

LEARNING AND LEADING FOR EQUITY: A
COLLABORATIVE CONVENING

Learning and Leading for Equity

A Collaborative Convening



Saturday, January 22, 2022

9:00 a.m. - 12:30 p.m.

A **FREE** Virtual Event

Sponsor Giveaways for Attendees

Register at <http://sccoe.to/learningforequity>

...a space for families, students, educators, and community to co-create ideas by leveraging the vast wealth of generational wisdom and experiences, and a diversity of voices and values to inspire and equip educators to do deeper equity work.

For Educators & Administrators

Through the lens of equity, this collaborative convening will address:

Inclusion & Belonging

Supporting educators, students and families in this current, fluid environment to create a sense of inclusion and belonging so students feel safe, cared for and heard so they can learn and thrive.

Personalized Learning

Empowering students, parents, and teachers to advocate for space to engage in innovative practices that support student centered and personalized learning that humanizes students.

Family-Centered Practice

Partnering with families and co-creating ways to empower them and advocate for student success.

Keynote Speaker



Andratesha Fitzgerald
Antiracism & UDL Author

Featured Speakers

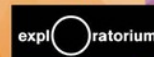


Dr. Julia Aguirre
Culturally Responsive
Mathematics Teaching



Dr. Stepan Mekhitarian
Personalized Learning
Data Analysis

Including Presentations by



And Educational Leaders from the Santa Clara County Office of Education

For more information contact Paula Leggett at pleggett@sccoe.org

REGISTER HERE: [LEARNING AND LEADING FOR EQUITY](http://sccoe.to/learningforequity)

VALLEY WATER & SCCOE ENVIRONMENTAL LITERACY EDUCATOR COHORT


WE STILL HAVE SPACES AVAILABLE!!

We can catch you up with the first session (it was recorded). Our next session is on January 19, 2022. Contact Jenn Mutch if you are interested. jmutch@sccoe.org


This grant-funded project will establish a cohort of Teachers, TOSAs, and Instructional Coaches eager to learn about infusing water education, environmental literacy, and NGSS-based lessons and projects into your teaching. A stipend and classroom materials will be offered at the completion of the program.

If you are interested, please see the following requirements:

1. Attendance at all workshops and RAFT in-person seminar.
2. Development and implementation of 1 or more lessons or units that are water education, environmental literacy, and NGSS focused. More details will be provided throughout the cohort.
3. Partnering with Valley Water's Outreach Team to co-present lessons to classrooms throughout the 2021-2022 school year.
4. Present an overview of the lesson(s) and/or unit that was developed over the school year with a final reflection and student feedback. This presentation will be done at one of the dates in May.



1250 Ridder Park Drive
San Jose, CA 95131
www.sccoe.org



Valley Water and SCCOE Environmental Literacy Educator Cohort

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1. Attendance at all workshops and RAFT in-person seminar.
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3. Partnering with Valley Water's Outreach Team to co-present lessons to classrooms throughout the 2021-2022 school year.
4. Present an overview of the lesson(s) and/or unit that was developed over the school year with a final reflection and student feedback. This presentation will be done at one of the dates in May.


Dates:
September 8, 2021- 3:30 to 5 p.m.
November 3, 2021- 3:30 to 5 p.m.
January 19, 2022- 3:30 to 5 p.m.
March 16, 2022- 4 to 6:30 p.m.
May 18, 2022- 3 to 5 p.m. OR
May 25, 2022- 3 to 5 p.m.

Location:
Virtual and In-person

Audience:
Educators, TOSAs, and Instructional Coaches

Grade Level(s): TK – 12

Application Link (and more details):
<https://forms.gle/DaXyyaJEGAgCAs6>



For more information, please contact:
Jennifer Mutch • Science Coordinator • (408) 453-6587 • jmutch@sccoe.org

VALLEY WATER & SCCOE ENVIRONMENTAL LITERACY COHORT

The next meeting is January 19, 2022

2021-2022 ENVIRONMENTAL LITERACY LEADERSHIP COLLABORATIVE

PLEASE JOIN US FOR OUR NEXT MEETING ON
JANUARY 20TH AS WE WILL BE WORKING ON OUR
VISION AND GOALS FOR THIS NETWORK



2021-2022 Environmental Literacy Leadership Collaborative

The Environmental Literacy Leadership Network is a collaborative that will explore ways to infuse environmental literacy into classrooms and schools.

We will develop a vision for environmental literacy and sustainability, build partnerships, and connect formal and informal educators in Santa Clara County.

Dates:

Thursday, September 23, 2021
Thursday, October 21, 2021
Thursday, November 18, 2021
Thursday, January 20, 2022
Thursday, February 24, 2022
Thursday, March 24, 2022
Thursday, April 21, 2022
Thursday, May 19, 2022

Time: 3 to 5 p.m.

Location:
Virtual via Zoom

Audience:
TK-12th Grade Teachers, History/
Social Science Teachers, Health
Teachers, Science Teachers,
TOSA's, Instructional Coaches,
Informal Environmental Educators,
and Community Based Partners

Grade Level(s): TK – 12

Registration:
<https://na.eventscloud.com/618910>

For more information, please contact:

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

REGISTER HERE: ENVIRONMENTAL LITERACY COLLABORATIVE

The next meeting is January 20, 2022

2021-2022 TOSA AND INSTRUCTIONAL COACHES
NETWORK MEETING



2021-2022 TOSA & Instructional Coaches Network Meeting

Santa Clara County Office of Education invites all Coaches, Mentors and TOSAs (Teachers on Special Assignment) to the: **2021- 2022 TOSA & Instructional Coaches Network Meetings**

- Develop your leadership skills as you learn more about supporting teachers with content, pedagogy, and technology.
- Network with other instructional leaders across Santa Clara County.
- Explore how to support teachers with Project Based Learning (PBL), Universal Design for Learning (UDL), integration of content areas, equity, and inclusion.

Dates:

September 21, 2021
October 19, 2021
November 16, 2021
January 18, 2022
February 22, 2022
March 22, 2022
April 19, 2022
May 17, 2022

Time: Noon to 2 p.m.

Location:

Virtual via Zoom

Audience:

TOSA's, Mentors, Coaches

Grade Level(s): TK – 12

Registration:

<https://na.eventscld.com/618909>

For more information, please contact:

Jennifer Mutch • Science Coordinator • (408) 453-6692 • jmutch@sccoe.org

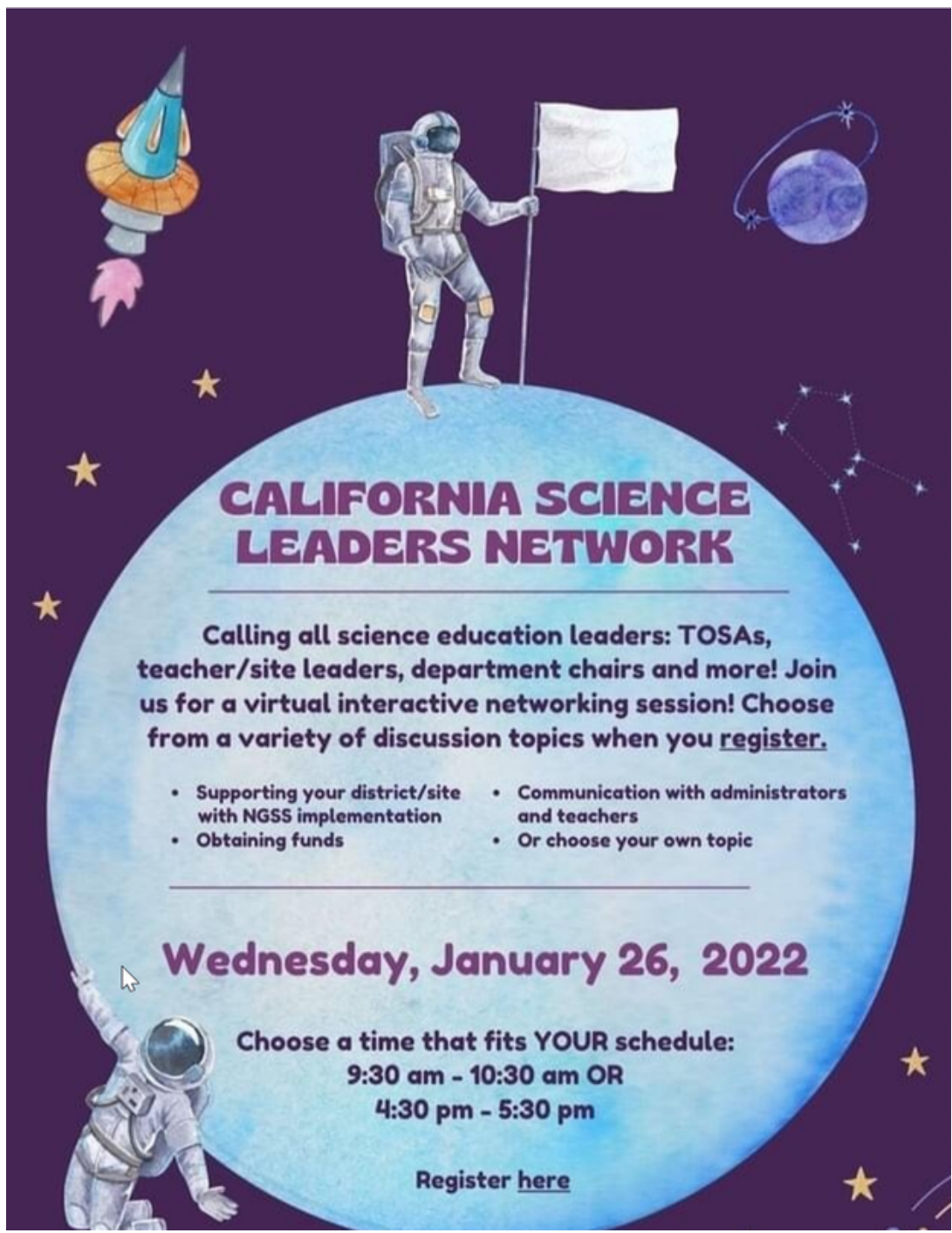
REGISTER HERE: TOSA & INSTRUCTIONAL COACHES NETWORK

The next meeting is January 18, 2022

Partner Workshops & Events

CALIFORNIA ASSOCIATION OF SCIENCE EDUCATORS
(CASE)

CASE STATEWIDE SCIENCE LEADERS NETWORK



CALIFORNIA SCIENCE LEADERS NETWORK

Calling all science education leaders: TOSAs, teacher/site leaders, department chairs and more! Join us for a virtual interactive networking session! Choose from a variety of discussion topics when you register.

- Supporting your district/site with NGSS implementation
- Obtaining funds
- Communication with administrators and teachers
- Or choose your own topic

Wednesday, January 26, 2022

Choose a time that fits YOUR schedule:
9:30 am - 10:30 am OR
4:30 pm - 5:30 pm

Register [here](#)

CLICK ON THE LINK BELOW TO REGISTER. NOTE: THIS WILL TAKE YOU TO YOUR CASE "MEMBER CLICKS" LOGIN.



California Science Teachers As... nam11.safelinks.protection.outlook.com

CASE CONFERENCE 2022 - SAVE THE DATE!!!



Save the date for the 2022 California Science Education Conference!
We'll be FACE-TO-FACE in sunny Palm Springs from October 14-16.
More details coming soon!



CA NGSS STATEWIDE IMPLEMENTATION



CA NGSS Statewide Implementation

Online Professional Learning
Building Student Sensemaking Through Disciplinary Literacy

REGISTER AT [CANGSS.ORG](https://cangss.org)

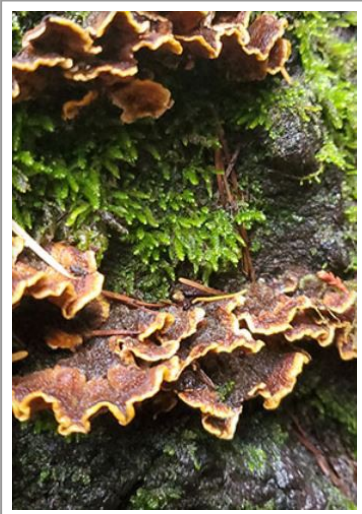
REGISTER HERE: CA NGSS STATEWIDE IMPLEMENTATION

Online Professional Learning-Building Student Sensemaking Through Disciplinary Literacy

YOUTH SCIENCE INSTITUTE UPCOMING EVENTS



SCIENCE SAFARIS



Join us for upcoming Science Safaris at our Vasona and Sanborn locations! Our science safaris are educational programs that not only bring you and your family into nature, but we will also teach you facts about your surroundings that you may not have known! These guided Science Safaris will be led completely outdoors by a YSI staff member. **YSI's Science Safari programs are designed for families, so please register each attending member.**

FUNGUS AMONG US AT SANBORN PARK

Date: January 15, 2022

Time: 11:30am-1:00pm

Cost: \$25

Our newest Science Safari- **Fungus Among Us**, allows a YSI instructor to lead you around the trails of Sanborn to look for all the different types of mushrooms, puffballs, and other fungi that are around.

REGISTER HERE: FUNGUS AMONG US

INSECT AND SALAMANDER SCAVENGER HUNTS AT SANBORN PARK

Time: 11:30am-1:00pm

Cost: \$25

Did you know that the breeding season for salamanders in California is November to March? This year, we are hosting several of these events between **January and March** for the chance to see these amazing creatures. Because we find other creatures in the same areas, why not learn about them as well! Each 90-minute science safari will allow you to search the areas around Sanborn with our experienced Instructors to learn about what you see. Remember, these animals love cool moist areas, so this event is rain or shine! Put on your mud boots and dress warm!

Register Here:

[January 17, 2022](#)

[February 12, 2022](#)

[February 19, 2022](#)

[March 5, 2022](#)

[March 19, 2022](#)

[March 26, 2022](#)

BIOBLITZ AT VASONA

Date: January 22, 2022

Time: 10:30am-12:00pm

Cost: \$25

This fun event allows children to assist their parents with their smartphones by searching under and over, high and low for anything and everything! First, we will talk about what a Bioblitz is, then we will navigate everyone through using a wonderful app, iNaturalist, to learn how to catalog information for this Bioblitz and why it's so important.

REGISTER HERE: BIOBLITZ AT VASONA

OHLONE NATURE WALK AT VASONA

Date: February 26, 2022

Time: 11:00am-12:30pm

Cost: \$25

Learn about all the plants that the Ohlone Native Americans had access to while they survived here for years and years! From tree bark to berries and seeds, we will show you all sorts of local plants that have several uses! We will also walk along the lake to see what the Ohlone would have foraged for their successful survival.

REGISTER HERE: OHLONE NATURE WALK

STORY TIME: HOW DO FLIES WALK UPSIDE DOWN?

Date: January 22, 2022

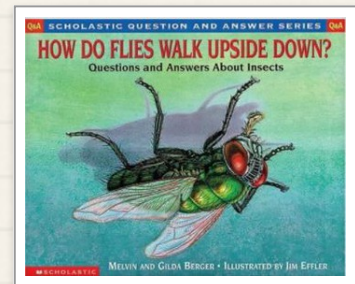
Time: 12:30pm-1:00pm

Location: Vasona Lake County Park

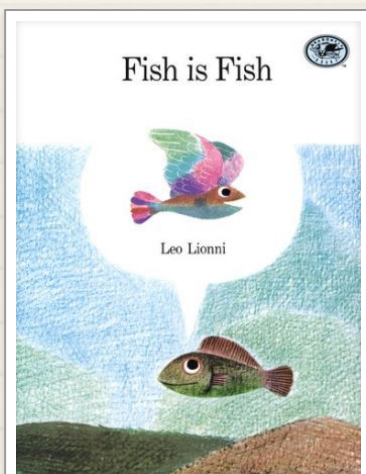
333 Blossom Hill Road Los Gatos, CA 95032

Cost: Free!

After we read the book together, we will meet a live insect!



REGISTER HERE: HOW DO FLIES WALK UPSIDE DOWN?



STORY TIME: FISH IS FISH

Date: February 26, 2022

Time: 1:00pm-1:30pm

Location: Vasona Lake County Park

333 Blossom Hill Road Los Gatos, CA 95032

Cost: Free!

After we read the book together, we will meet a live YSI animal ambassador that lives in the water!

REGISTER HERE: FISH IS FISH

STORY TIME: WHAT DO YOU DO WITH A TAIL LIKE THIS?

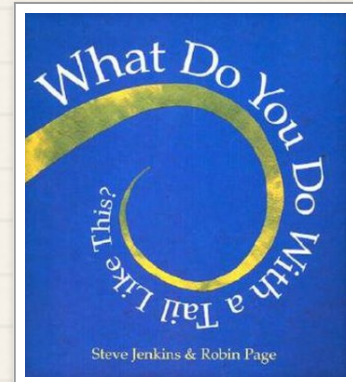
Date: March 12, 2022

Time: 1:00pm-1:30pm

Location: Vasona Lake County Park
333 Blossom Hill Road Los Gatos, CA 95032

Cost: Free!

After we read the book, we will meet a couple of animals with tails!



REGISTER HERE: WHAT DO YOU DO WITH A TAIL LIKE THIS?

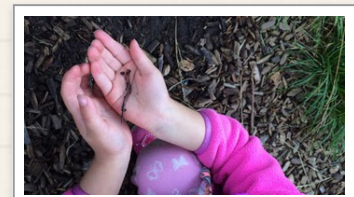
CALIFORNIA ACADEMY OF SCIENCE TEACHER WORKSHOPS



LET'S GO OUTSIDE! (GRADES PREK-3+)

Are you wondering how to help young children to become active and engaged explorers? This workshop is for you!

We will model strategies that support young children exploring their school yard, around their home, or another outdoor setting. We will demonstrate ways to



lead this learning equitably, both remotely and in-person. You will have the opportunity to talk with fellow educators and apply strategies to your own unique teaching context.

This workshop is designed for Preschool - 3rd grade teachers, but teachers of older students may also find it valuable. All educators are welcome.

Saturday, January 22, 2022

9:00 am to noon (Pacific time)

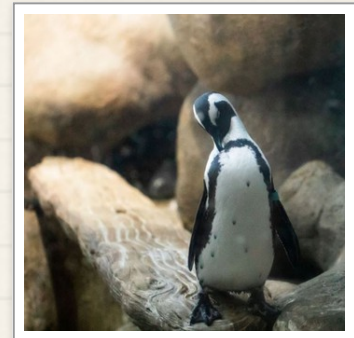
Cost: \$35

Registration will close on or before Friday, January 21

REGISTER HERE: LET'S GO OUTSIDE WORKSHOP

AFRICAN PENGUINS: SCIENCE, STORIES, SPECIAL FRIENDS GRADES K-2: LIVESTREAM SERIES

This interactive series consists of three weekly consecutive sessions in one month. Each live session lasts approximately 30 minutes, is a lesson taught by a team of professional educators, and is broadcast to multiple classes at the same time **via YouTube Live**. Students will interact with the educators through browser-based polls and hands-on activities.



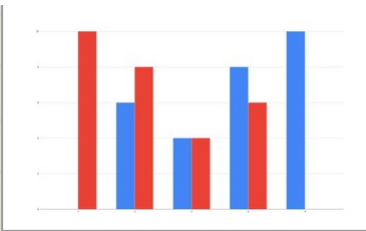
This program is designed for grades K-2, but all are welcome. Pick the language option that works best for your class:

- 10 am PT on Tuesdays (February 1, 8, & 15) for presentation in **English (ELL supported)**
- 10 am PT on Wednesdays (February 2, 9, & 16) for presentation primarily in **Spanish**
- 11 am PT on Wednesdays (February 2, 9, & 16) for presentation primarily in **Cantonese**

***Registration will close at 12pm PT on Tuesday, January 25**

REGISTER HERE: AFRICAN PENGUINS LIVESTREAM SERIES

DIGGING INTO DATA (GRADES 6-12)



Support students in using data to draw conclusions and tell stories about the world. Prepare them to think critically about claims made based on data and correlations.

This three-hour online learning experience will be highly interactive and will engage you in small-group discussions and individual exploration. You will try out activities as a learner, as well as reflect with your peers on how to apply these ideas in your own teaching.

This workshop is designed for teachers of grades 6 - 12. All educators are welcome.

Saturday, February 5, 2022

9:00 am to noon (Pacific time)

Cost: \$35

Registration will close on or before Friday, February 4.

[REGISTER HERE: DIGGING INTO DATA WORKSHOP](#)

THRIVING CALIFORNIA (GRADES 4-8)

By exploring the world around us, we can find clues that will tell us about California's past and present. What we learn can help us to shape solutions that will ensure a thriving California for the future.



Ecology and ecosystems are big concepts. In this workshop you will engage with some strategies that make them both accessible and relatable. These strategies will involve direct interactions with both the natural and the built environment around us.

You will be supported to figure out how the strategies we practice in this workshop might be translated for successful implementation in your unique teaching & learning context.

This workshop is designed for people who work with grades 4-8, but is not limited to that range and all educators are welcome.

Saturday, March 12, 2022

9:00am - 12:00pm (Pacific Time)

Cost: \$35

Registration will close on or before Friday, March 11.

REGISTER HERE: THRIVING CALIFORNIA WORKSHOP

EXPLORING YOUR ENVIRONMENT WITH MATH AND SCIENCE (GRADES 3- 5)



What do scientists and mathematicians have in common, and how do they work together? Experience model activities that bring together math practices and science practices and support students to succeed at both. These activities will also get students outside and exploring their local environment. Workshop participants will reflect on the experience and discuss ways to apply these pedagogical strategies in your own context. This three-hour online learning experience will be highly interactive and will engage you in small-group discussions and individual exploration.

This workshop is designed for teachers of grades 3 - 5. All educators are welcome.

Saturday, March 19, 2022

9:00am - 12:00pm (Pacific Time)

Cost: \$35

Registration will close on or before Friday, March 18.

REGISTER HERE: EXPLORING YOUR ENVIRONMENT WORKSHOP

SWAMP IN A BOTTLE

Swamp in a Bottle | California Academy of Sciences



BUSES AND BIOFUELS: SUSTAINABLE TRANSPORTATION

Buses and Biofuels: Sustainable Transportation | California Academy of Sciences



Grade level: 6-10

Length: 4 minutes

NGSS Disciplinary Core Ideas: MS-ESS3.A, MS-ESS3.C, MS-ESS3.D, MS-ETS1.1

For Video Discussion Questions and Accompanying Activity, please visit

https://www.calacademy.org/educators/buses-and-biofuels-sustainable-transportation?utm_campaign=educator_eneews_20211129&utm_medium=email&utm_source=Mailjet



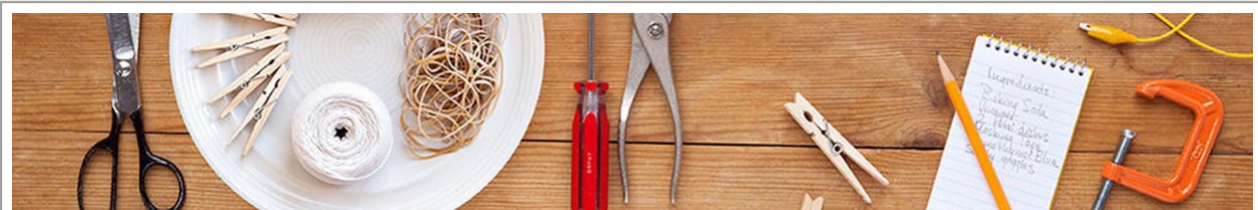
The Tech Interactive

THE TECH INTERACTIVE

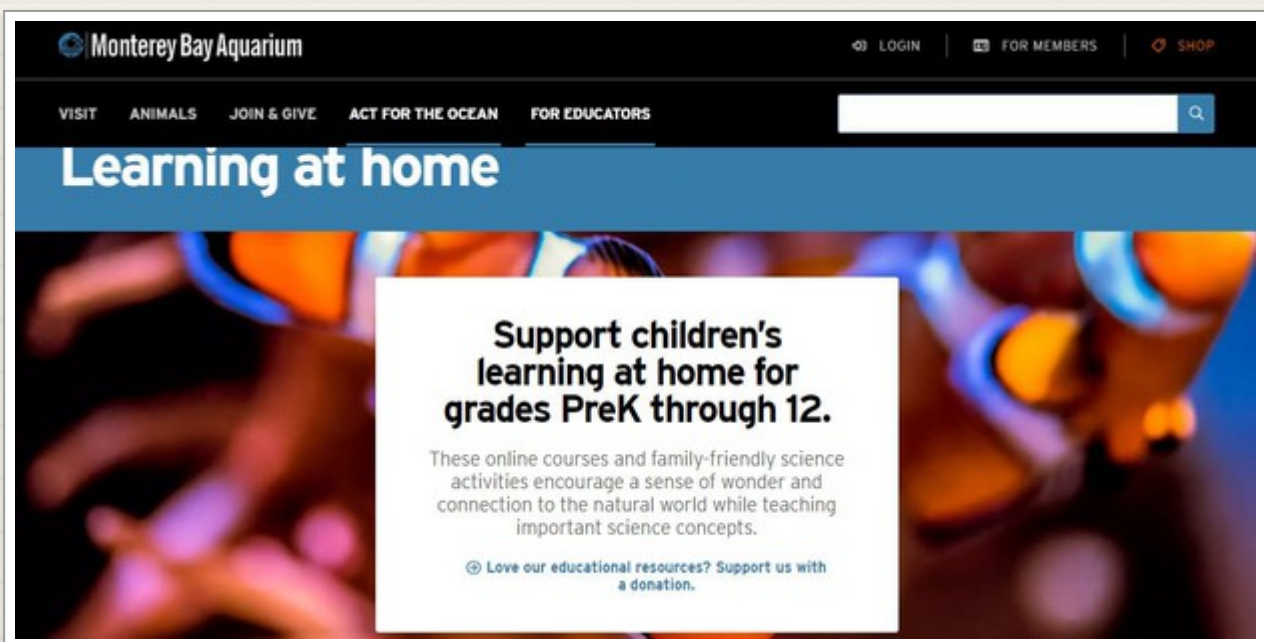
The Tech Challenge 2022: Kinetic Commotion



Partner Resources



EXPLORATORIUM- LEARNING TOOLBOX



Monterey Bay Aquarium

LOGIN | 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



Teacher Opportunities



ENVIRONMENTAL AND SOCIAL JUSTICE AWARENESS DAYS

Earth Calendar or Eco Calendar

YOU ARE INVITED!: TEACHER COACH PROFESSIONAL LEARNING COMMUNITY PROGRAM

The STEAM Team at CDE Foundation is excited to bring back our Teacher Coach Professional Learning Community Program beginning this spring. We want to nurture an asset-based, peer-led professional learning community, and this program is specifically designed for coaches of educators with the goal of interdisciplinary learning and advancing equitable outcomes for every student. A \$500 stipend is provided for active participation.

Deadline: Tuesday, February 1, 2022 at 11:59 pm

A PEER-LED PROGRAM DESIGNED ESPECIALLY FOR DISTRICT COACHES



Virtual PLC - Apply Today!

Go to <https://cdef.ink/CoachPLC22>

- **Develop coaching skills to advance equity**
- **Access brave space to explore challenges**
- **\$500 stipend provided**



APPLY TODAY: TEACHER COACH VIRTUAL PLC

WINTER OF CS 2-DAY WORKSHOP FOR ADMINISTRATORS

January 26 and 31, 2022 | 9am-3pm | \$20

The Los Angeles, Santa Barbara, San Bernardino, Orange, Riverside, San Diego, Glenn, Merced, Sacramento County Offices of Education, Elk Grove Unified SD, Kapor Center, UCLA/Center X, and the CSforCA Coalition are proud to announce Winter of CS for Administrators! You will have opportunities to learn from and with other administrators implementing the California K-12 Computer Science Standards.



REGISTER HERE: WINTER OF CS WORKSHOP



BIOMIMICRY OVERVIEW FOR CLASSROOM TEACHERS

Register: [K-5 Teachers: January 25, 2022](#) | 3-4:30pm | FREE

Register: [6-12 Teachers: February 1, 2022](#) | 3-4:30pm | FREE

This professional learning begins with grade band overview of biomimicry, moves into specific tools for supporting biomimetic design, including the use of biomimicry instructional units. The overview concludes with an invitation for educators to teach a biomimicry unit and receive a funded Continuing Education Unit through UC Merced Extension.

NGSS NOW JANUARY 2022 NEWSLETTER

NGSS NOW

7 things to know about quality K–12 science education in January 2022



NEW JOURNAL ON CLIMATE CHANGE FROM CASE



[CLICK HERE TO READ THE CALIFORNIA JOURNAL OF SCIENCE ED](#)

NAVIGATING THE POLITICAL DIMENSIONS OF CLIMATE CHANGE TEACHING AND LEARNING

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

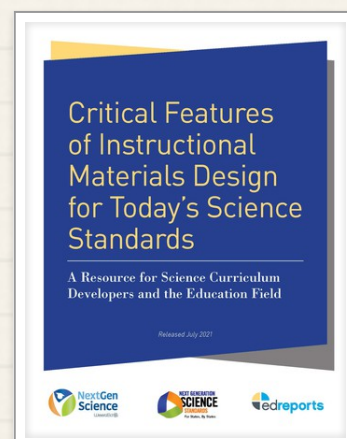
[CLICK HERE TO VIEW - STEM TEACHING TOOLS - Navigating the Political Dimensions of Climate Change Teaching and Learning](#)

SCIENCE CURRICULA NEW RESOURCE

Critical Features of Instructional Materials Design for Today's Science Standards:

A Resource for Science Curriculum Developers and the Education Field

Today's science standards have initiated a significant shift in all parts of the science education system. As a result, science instructional materials are also changing. Educators, school and district administrators, and developers of instructional materials need to be able to develop a common vision of high-quality curricula that will prepare students for success in school and beyond.



This resource is jointly authored by EdReports and NextGenScience to illustrate critical design features of science instructional materials and provide common language for describing high-quality materials.



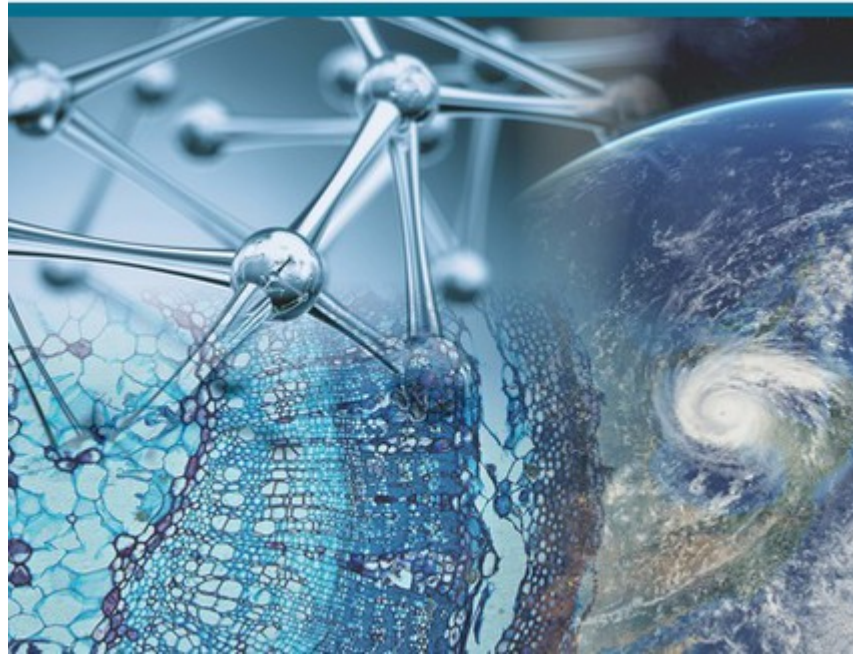
[CLICK HERE TO READ THE RESOURCE](#)

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

CONSENSUS STUDY REPORT

Call to Action for Science Education

BUILDING OPPORTUNITY FOR THE FUTURE



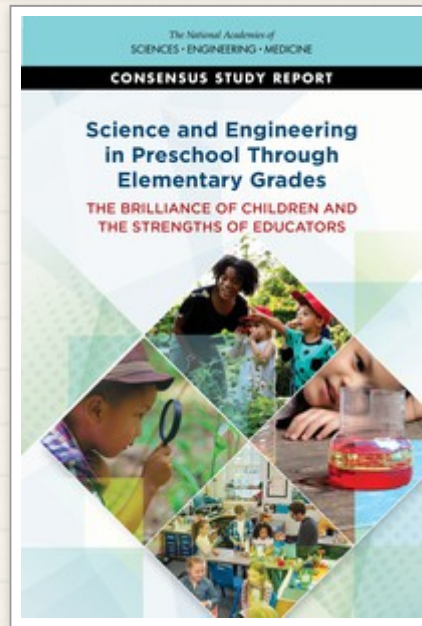
[CLICK HERE TO READ THE NASEM CALL TO ACTION](#)

This report sets a bold vision for the future of high quality science education looking across all of grades K-16 and puts equity and opportunity at the center. It also explores role of science education for participation in democracy and daily life

SCIENCE AND ENGINEERING EDUCATION NEEDS TO BE PRIORITIZED THROUGH FIFTH GRADE, SAYS NEW REPORT

Starting in early childhood, children are capable of learning sophisticated science and engineering concepts and engage in disciplinary practices. They are deeply curious about the world around them and eager to investigate the many questions they have about their environment. Educators can develop learning environments that support the development and demonstration of proficiencies in science and engineering, including making connections across the contexts of learning, which can help children see their ideas, interests, and practices as meaningful not just for school, but also in their lives. Unfortunately, in many

preschool and elementary schools science gets relatively little attention compared to English language arts and mathematics. In addition, many early childhood and elementary teachers do not have extensive grounding in science and engineering content.



[CLICK HERE TO READ THE NASEM ELEMENTARY SCIENCE REPORT](#)

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.



SCCOE

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



WALDEN WEST

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



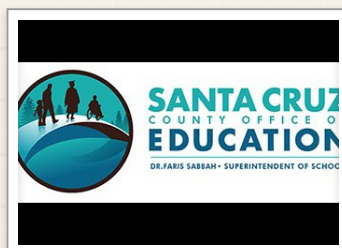
CAELI

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



SMCOE

<https://eeproviders.smcoe.org>



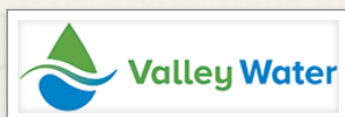
SANTA CRUZ COE

<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.



Santa Clara County
Office of Education

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.

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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.