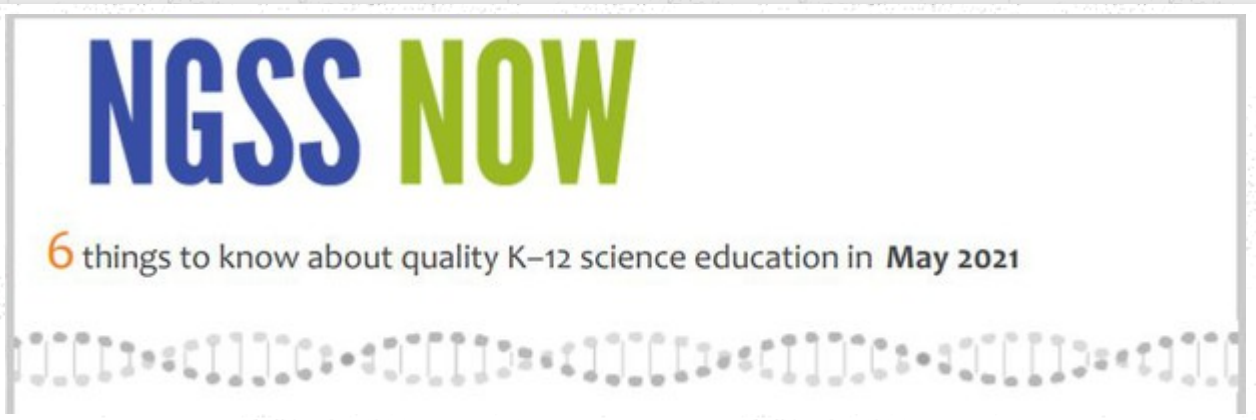
SCIENCE & ENVIRONMENTAL LITERACY

MAY & JUNE 2021-SANTA CLARA COUNTY OFFICE OF EDUCATION

HAPPY SUMMER AND TIME FOR A REST AND RE-SET!

As you are all heading into your summer breaks, I wanted to take this opportunity to thank you all for the amazing work you have been doing and continue to do for all of our students across Santa Clara County. This last year and a half has been like no other and I am in awe of everything that you have been able to accomplish during this time. I hope that you all are able to take some well deserved time off for rest, relaxation and recuperation.

NGSS NOW NEWSLETTER FOR MAY 2021



UPCOMING EVENTS

ENVIRONMENTAL SOLUTIONARY TEACHER FELLOWSHIP- 2021-2022

This is a knowledge-to-action program that builds teacher capacity for designing and delivering learning experiences that are student-centered, problem-project-based, solutions-oriented, and integrates real-world environmental justice issues.

ENVIRONMENTAL LITERACY COMMUNITY BASED PARTNER HUB

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

ENVIRONMENTAL LITERACY LEADERSHIP COLLABORATIVE UPDATE

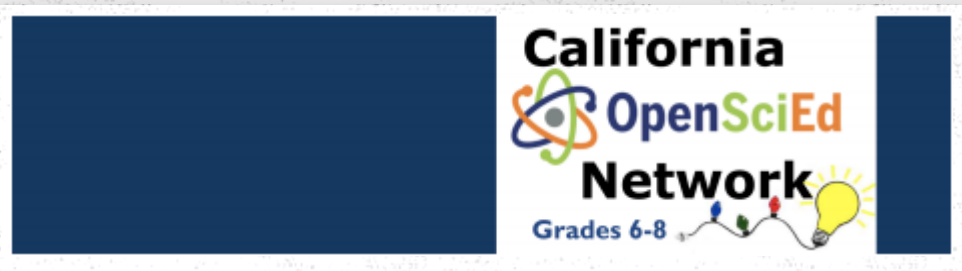
We have been moving forward with the development of the Microsite in partnership with Ten Strands and Green Guardians. Please look for information about the new website coming soon!.

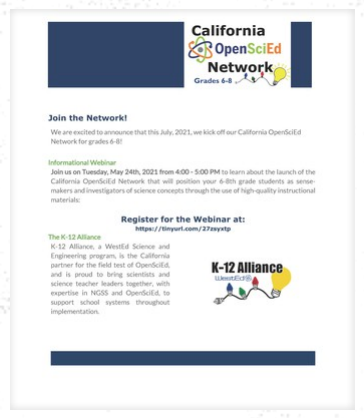
We have also created a folder to house all of our resources shared during our Environmental Literacy Leadership Collaborative Meeting. You can view this folder by following the link: http://bit.ly/2MCcC2L

PARTNER WORKSHOPS AND EVENTS

OPEN SCI ED/K-12 ALLIANCE

Middle School Network starting July 2021





California OpenSciEd Network
Grades 6-8

Join the Network!

We are excited to announce that this July, 2021, we kick off our California OpenSciEd Network for grades 6-8!

Informational Webinar

Join us on Tuesday, May 24th, 2021 from 4:00 - 5:00 PM to learn about the launch of the California OpenSciEd Network that will position your 6-8th grade students as sense-makers and investigators of science concepts through the use of high-quality instructional materials:

Register for the Webinar at:
https://tinyurl.com/27zoyxtp

The K-12 Alliance

K-12 Alliance, a WestEd Science and Engineering program, is the California partner for the field test of OpenSciEd, and is proud to bring scientists and science teacher leaders together, with expertise in NGSS and OpenSciEd, to support school systems throughout implementation.

K-12 Alliance

K-12 Alliance @WestEd

California OpenSciEd Network

Join the Network!

This is an opportunity to launch the network that will position your 6-8th grade students as sense-makers and investigators of science concepts while utilizing high-quality instructional materials. Membership in the California OpenSciEd Network includes:

Virtual kick off!

Participate in a four day virtual event for a leadership team of 5 per grade (15 total)

- Led by scientists and teacher leaders with NGSS and OpenSciEd expertise
- Gain experience with an OpenSciEd unit: Thermal Energy (6th), Metabolic Reactions (7th), Sound Waves (8th)
- Learn key instructional shifts and pedagogical routines that enrich student centered instruction
- Dive deep into science content that forms the basis of the learning

Virtual Support through December of 2021

Kick off participants have access to ongoing services designed to support implementation

- Email support to meet individual needs
- Up to 2 follow-up virtual meetings for support and Q|A for district needs
- Choose 1 webinar event for support with OpenSciEd routines and to connect with others in the network

Options for Additional Services (extra fees)

Options include professional learning for all district teachers on units, deeper pedagogical dives into routines, leadership development for teacher leaders, professional learning and coaching for administrators, lesson study, and district technical assistance

Membership Dates **July - December 2021 (through implementation of one unit)**

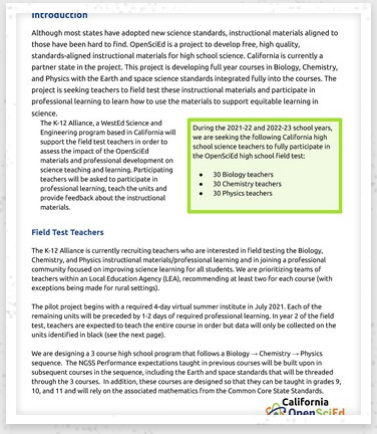
Kick-Off Event **July 20-23, 2021**

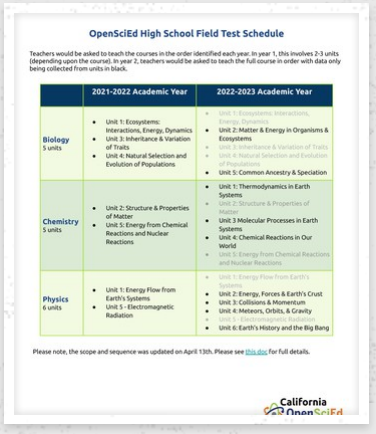
Cost for District Team of up to 15: **$12,000**

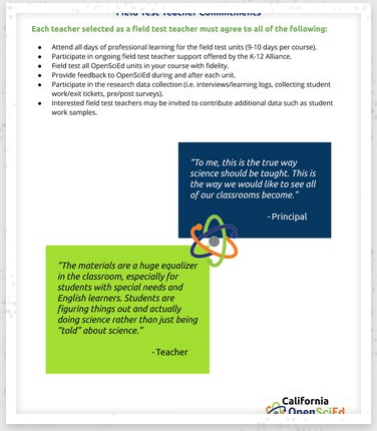
Register: https://tinyurl.com/385af9hx

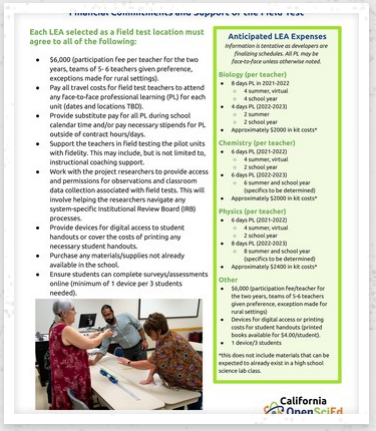
Contact: **Susheela Valdez**
svaldez@wested.org

HIGH SCHOOL FIELD TEST



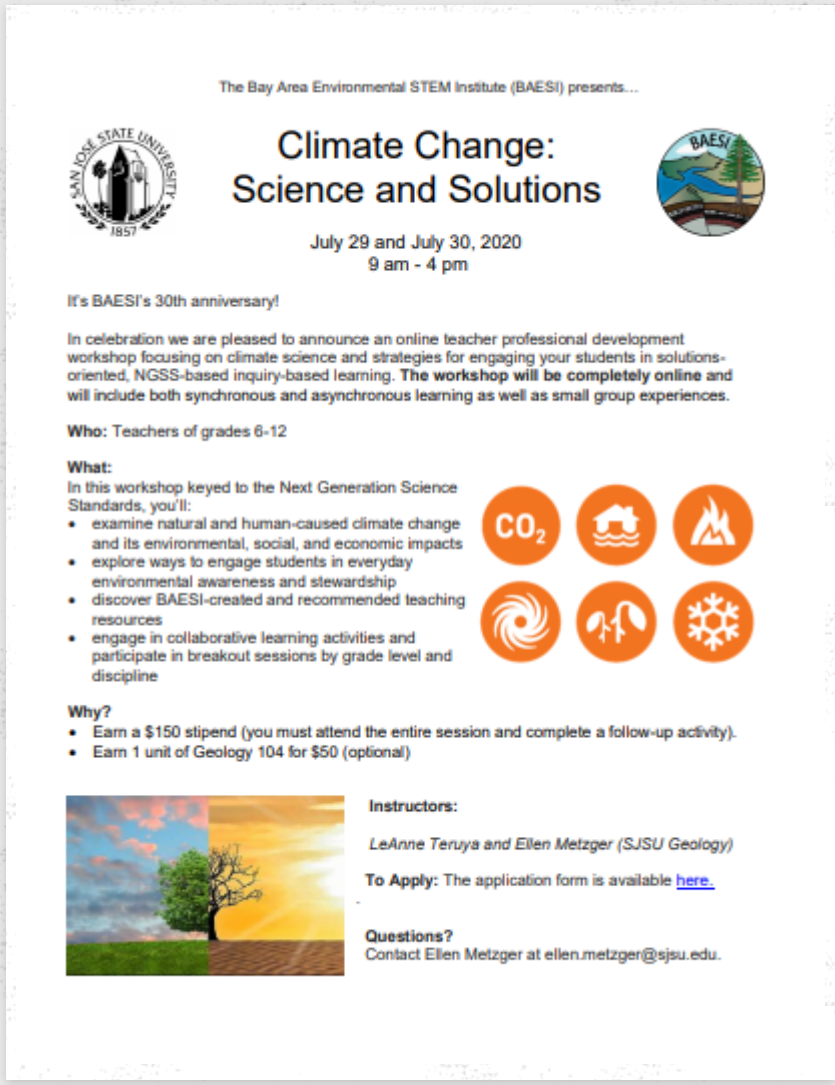






CLICK HERE FOR MORE INFORMATION

BAY AREA ENVIRONMENTAL STEM INSTITUTE (BAESI)



The Bay Area Environmental STEM Institute (BAESI) presents...

Climate Change: Science and Solutions

July 29 and July 30, 2020
9 am - 4 pm

It's BAESI's 30th anniversary!

In celebration we are pleased to announce an online teacher professional development workshop focusing on climate science and strategies for engaging your students in solutions-oriented, NGSS-based inquiry-based learning. **The workshop will be completely online** and will include both synchronous and asynchronous learning as well as small group experiences.

Who: Teachers of grades 6-12

What:
In this workshop keyed to the Next Generation Science Standards, you'll:

- examine natural and human-caused climate change and its environmental, social, and economic impacts
- explore ways to engage students in everyday environmental awareness and stewardship
- discover BAESI-created and recommended teaching resources
- engage in collaborative learning activities and participate in breakout sessions by grade level and discipline

Why?

- Earn a $150 stipend (you must attend the entire session and complete a follow-up activity).
- Earn 1 unit of Geology 104 for $50 (optional)

Instructors:

LeAnne Teruya and Ellen Metzger (SJSU Geology)

To Apply: The application form is available here.

Questions?
Contact Ellen Metzger at ellen.metzger@sjsu.edu.

CALIFORNIA ACADEMY OF SCIENCES

Low Floor, High Ceiling: Making Science Tasks More Spacious (Grades K-12)
Tuesday, June 15, 2021
9:30 - 11:30 am PT
How might we design tasks for students that involve easy access points for all learners, and the potential for extended thinking? How can this approach foster a positive science identity for all students? In this workshop, participate in example activities and consider how to bring these ideas into your own classroom.
This workshop is designed for teachers of grades K-12, and to be valuable for educators teaching online, hybrid, and in in-person situations. All educators are welcome.

Poster Contest for Bay Area High Schoolers

From now through September 7, 2021, Bay Area high school students are invited to create a poster that celebrates diversity in science, focused on one of five themes:

· **The beauty of diversity**
· **My favorite Academy exhibit**
· **Including me in science**
· **Envisioning a bright future**
· **Science call-to-action**

Winning posters and honorable mentions will be displayed at the Academy! Winners will also receive a large print of their poster, a $100 gift card, and a one-year Academy family membership.

Students who complete this brief registration form can join free online workshops led by our judges and Academy staff, where they can learn more about design, how to create compelling posters, and how they could pursue a successful design career.

To help spark students' imagination, we've put together some design elements, examples, and prompts to help inspire new ideas and stretch one's thinking.

RAFT- PROFESSIONAL DEVELOPMENT WORKSHOPS

raft®
RESOURCE AREA FOR TEACHING

RAFT STEAM PROJECT KIT LEARNING PROGRESSIONS

Saturday, June 26, 2021 | 10:00 AM - 1:00 PM PST
Price: $45 (materials and shipping included)
RAFT has a variety of STEAM Project Kits that are designed for easy exploration topics in math, science and other subjects. They are excellent resources that come with materials and easy-to-follow teacher instructions. Our project kits can be sequenced to provide a scaffolded learning progression and build towards understanding topics and phenomena in more depth. Participants in this workshop practice using our kits and gain experience around interesting STEAM topics. This virtual workshop is ideal for those looking to develop progressions that cover a few days or several weeks. Workshop materials are sent to registered participants prior to the workshop. (3 hours)

THE TECH INTERACTIVE

The Tech Interactive

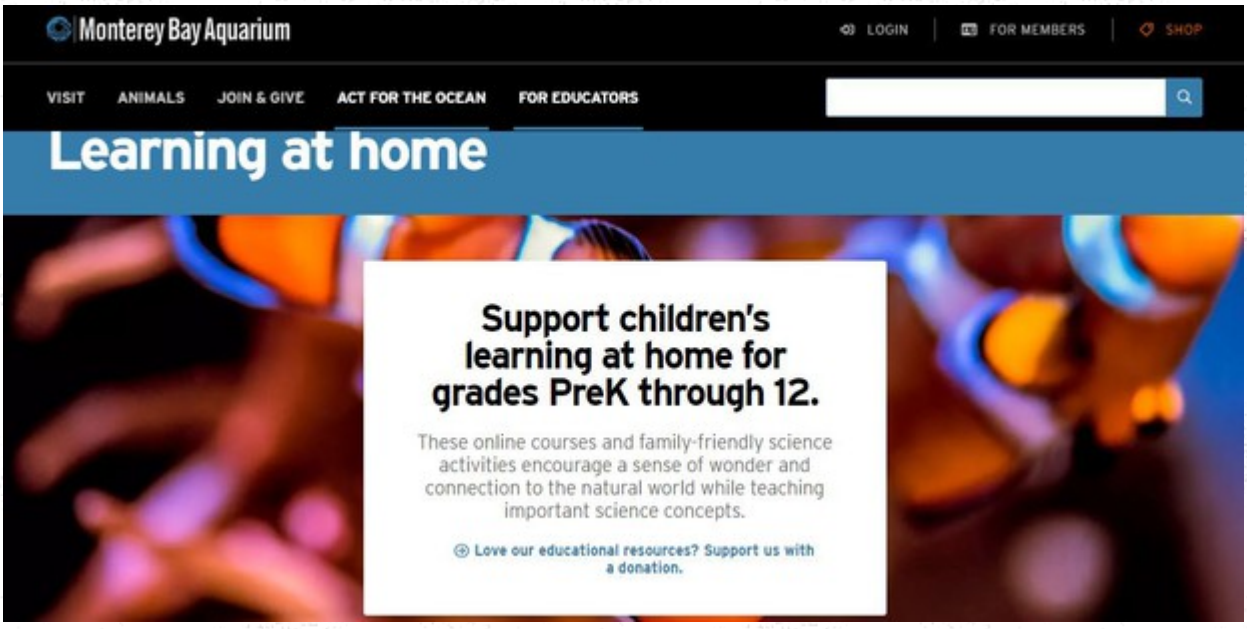
VIRTUAL LEARNING AT THE TECH

Virtual Learning at The Tech | The Tech Interactive

The Tech At Home: Fun STEAM Activities | The Tech at Home

EXPLORATORIUM- LEARNING TOOLBOX

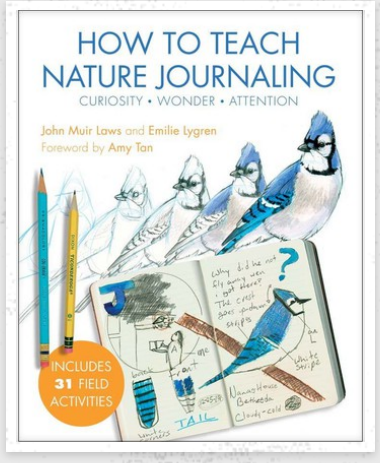
MONTEREY BAY AQUARIUM LEARNING AT HOME RESOURCES



KQED TEACH- MEDIA ACADEMY FOR TEACHERS

REGISTER HERE FOR WILD WONDER FOR TEACHERS

WILD WONDER NATURE JOURNALING FOR TEACHERS CONFERENCE JUNE 21-22, 2021



Join John Muir Laws and Emilie Lygren–co-authors of the book How to Teach Nature Journaling–as well as other nature journaling educators from around the world for a two-day live online workshop, June 21-22, 2021, before the **Wild Wonder Nature Journaling Conference**. You will come away from this workshop empowered with best practices and practical tools for teaching nature journaling, and you will be prepared to put them into practice with your students.

The goals of this workshop are to help educators:

1. Understand the fundamental principles and practices of nature journaling and be able to communicate its value to students;
2. Understand how nature journaling reinforces language arts, visual arts, math, science, social-emotional learning, and more;

3. Feel empowered with the tools and confidence to teach nature journaling in your own setting, whether that's homeschool, adult education, a traditional classroom, or online learning;
4. Learn how to give appropriate feedback that reinforces a growth mindset;
5. Experience nature journaling activities specifically adapted for online teaching; and
6. Connect with and learn from other nature journaling teachers.

*****Scholarships are available*****

REGISTER HERE FOR WILD WONDER NATURE JOURNALING

WILD WONDER NATURE JOURNALING CONFERENCE JUNE 23-27, 2021

Thanks to the dedicated work of our team and the generous support of our partner and sponsors, we are thrilled to offer our third annual Wild Wonder Nature Journaling Conference in 2021! The event will be 5 full days, with a rich schedule of classes, panels, lectures, nature journaling challenges, social time, journal sharing, and an online auction. Please see below for more details on the event including our amazing line up of teachers and speakers. **NOTE:** The best way to be sure you receive the latest updates on this event is to sign up for John Muir Laws' mailing list here.

What is the Wild Wonder Nature Journaling Conference?

John Muir Laws and the Nature Journal Club are thrilled to partner with The Foster to host **Wild Wonder Nature Journaling Conference**, an annual event that gathers people who are passionate about nature, art, science, curiosity, and wonder to share ideas, learn from each other, support each other, inspire each other, and have fun together in nature's beauty.

Why "Wild Wonder?"

We chose this name for many reasons. We chose **Wild,** because nature journaling connects us with the **wild** of nature, and **wild** because we feel **wild** and free when we journal, and we also wanted our conference name to give a nod to poet Mary Oliver, who asked in her poem "The Summer Day": "What

is it you plan to do with our one **wild** and precious life?" The name includes **Wonder** because paying close attention to nature brings **wonder** as in curiosity (I **wonder**…?) and **wonder** as in awe.

CLICK HERE TO EXPLORE THRIVELY LEARNING EXPERIENCES

THRIVELY

Ignite creativity with ready to integrate learning experiences.
Engage your students with

- STEM/STEAM
- Social-Emotional Learning
- Project-Based Learning, Work-Based Learning

CLICK HERE TO EXPLORE THRIVELY LEARNING EXPERIENCES

SCCOE & VALLEY WATER ENVIRONMENTAL LITERACY LEADERSHIP COHORT-INTEREST LIST

SCCOE and Valley Water Education Outreach is partnering to provide a series of workshops for a cohort of 5th and 6th Grade teachers, TOSAs, and Instructional Coaches, where you will learn about infusing water-focused, NGSS based lessons and projects into your teaching and you will be able to earn a small stipend when the project is completed. Projected start time: September 2021 and applications will be available in Summer 2021
Please complete this form if you are interested in applying for this program:
https://forms.gle/am5kb9qA3JUQcQKr9

CALIFORNIA SCIENCE EDUCATION (CASE) CONFERENCE

CLICK HERE TO LEARN MORE AND REGISTER

ENVIRONMENTAL LITERACY PARTNER WEBSITES

NEW ENVIRONMENTAL LITERACY COMMUNITY BASED PARTNER HUB

caeli.greenguardians.com

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.

1290 Ridder Park Drive, San J...
pleggett@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.

APPLICATION FORM

Stipends Available- Fellowship Begins August 2nd, 2021