

SCIENCE & ENVIRONMENTAL LITERACY

— JULY & AUGUST 2021-SANTA CLARA COUNTY OFFICE OF EDUCATION —

BACK TO SCHOOL

We hope that you were able to take some time over the summer to have some much needed rest and relaxation. Now that we are returning back to school campuses and district offices, we want to let you all know that we are here to support you. Several county science educators want to find ways to provide more equitable and culturally responsive science instruction, get students back to hands-on/inquiry based learning that may have been missed in virtual settings, or need to re-visit their science curriculum adoption. Please let us know how we can provide assistance in these efforts. We are also excited to provide some great opportunities below and upcoming this Fall. Please reach out to us to let us know how else we can help you in your Science and Environmental Literacy efforts.



WELCOME OUR NEW SCIENCE COORDINATOR- TARA SIKORSKI

Please join us in extending a warm welcome to Tara Sikorski. Tara is joining our iSTEAM team as a Science Coordinator. Tara comes to us with a wealth of knowledge and practical experience as an NGSS classroom-based educator (including distance learning), district TOSA, and Instructional Coach (in San Jose Unified). Tara has a master's degree in Cross-Cultural Teaching and is a graduate of the SCCOE Leaders in Education Administration Program (LEAP), as well as a very long list of professional learning courses, academies, and sessions.

We are excited to have Tara join our team!

NGSS NOW NEWSLETTER FOR JULY 2021

NGSS NOW

7 things to know about quality K–12 science education in July 2021



NGSS NOW NEWSLETTER FOR AUGUST 2021

NGSS NOW

6 things to know about quality K–12 science education in August 2021



Upcoming Events

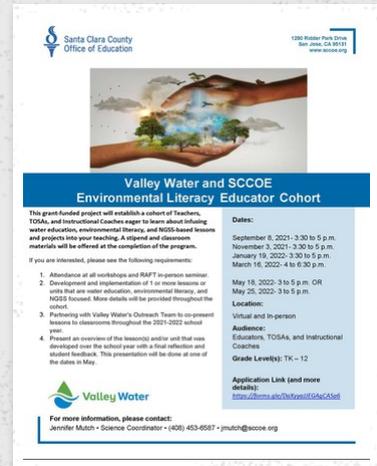
VALLEY WATER & SCCOE EDUCATOR COHORT CLICK HERE

VALLEY WATER & SCCOE ENVIRONMENTAL LITERACY EDUCATOR COHORT

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



The flyer features the Santa Clara County Office of Education logo at the top left and the Valley Water logo at the bottom left. A central graphic shows two hands holding a globe with a tree and water droplets. The text on the flyer provides details about the cohort, including dates, location, audience, and application link.

Valley Water and SCCOE Environmental Literacy Educator Cohort

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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 Levels: TK - 12

Application Link (and more details):
<https://forms.gle/7eYxvzU6kAc45d6>

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

2021-2022 ENVIRONMENTAL LITERACY LEADERSHIP COLLABORATIVE

REGISTER HERE-ENVIRONMENTAL LITERACY COLLABORATIVE



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

2021-2022 TOSA AND INSTRUCTIONAL COACHES NETWORK MEETING

REGISTER HERE- TOSA & INSTRUCTIONAL COACHES NETWORK



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.eventscloud.com/618909>

For more information, please contact:

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

Partner Workshops & Events

CA NGSS STATEWIDE IMPLEMENTATION

Online Professional Learning-Building Student Sensemaking Through Disciplinary Literacy



CA NGSS Statewide Implementation

Online Professional Learning
Building Student Sensemaking Through Disciplinary Literacy

REGISTER AT CANGSS.ORG

CALIFORNIA SCIENCE EDUCATION (CASE) CONFERENCE

CALIFORNIA ASSOCIATION OF SCIENCE EDUCATORS (CASE)



THE WHALE MUSEUM

THE WHALE MUSEUM'S VIRTUAL MARINE NATURALIST TEACHERS' PROGRAM

August 23-27, 2021

Exciting News! Registration is now open for a virtual session of our Marine Naturalist Program created just for K-12 teachers! This dynamic and high-quality program will run from August 23 - August 27. The objective is to provide a learning experience that enhances your knowledge and classroom lessons. The program highlights the ecology, current status, and conservation of the endangered Southern Resident Killer Whales and other local marine species as well as aspects of the Salish Sea. The course includes presentations on cetaceans, other marine mammals, birds, intertidal invertebrates, geology, and more such as marine conservation. Faculty includes professionals, experts, and researchers. These will be full days, running mostly from 9 am-5 pm. However, we know that not everyone will be able to attend "live." Have no fear! Presentations will be recorded and available to view for up to a year.

Thanks to a NOAA grant, this program is FREE for teachers to participate! Our gift to you for the great work you do! Register through Attendify . Questions can be emailed to Tracie Merrill, Education Curator (tracie@whalemuseum.org). The agenda and links will be emailed to registrants closer to the start of the class. Space is limited to the first 50, so don't wait to reserve your spot!

Register Here: <https://attendify.co/2021-marine-naturalist-teachers-program-nrQwbgd>



REGISTER-VIRTUAL MARINE NATURALIST TEACHERS' PROGRAM



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](#)

THE TECH INTERACTIVE



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

TEACHER OPPORTUNITY

Former Teacher Mr. Ted Kahn has generously decided to donate all his science teaching-related materials to teachers who would like to use them. Some of these materials are curriculum-based and were acquired from Lawrence Hall of Science. If you or a teacher you know about is interested in accepting some materials, please contact Mr. Kahn at Ted@designworlds.com.

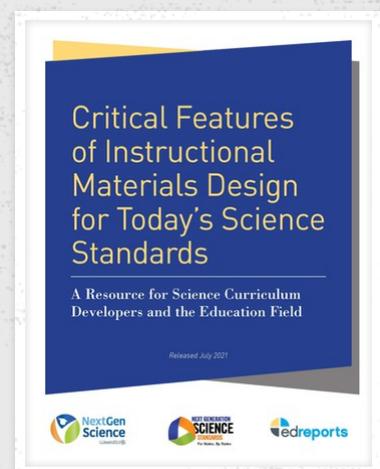
Partner Resources

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

ENVIRONMENTAL LITERACY PARTNER WEBSITES

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/>



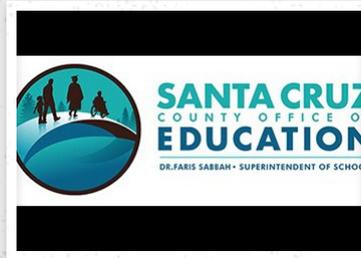
CAELI

<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.

 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.