

Network: GHEDUGUEST Password: Robotics1255\*



# Region 10 Riverside | Inyo Mono | San Bernardino

http://bit.ly/3RFLDjS



# http://bit.ly/3RFLDjS



## District Science Leadership CoP Meeting Agenda

All Sciences ~ All Students

**February 7, 2023** 

## WiFi Portal:

Network: GHEDUGUEST Password: Robotics1255\*

# **Agenda**

Advancing Equity and Access in Science Education:
Leveraging our Community of Practice to Support NGSS Implementation strategies for all students via pre-determined Key Behaviors.

#### **Facilitators:**

Yamileth Shimojyo (RCOE), Mariano Aranda (SBCSS), Claudia Velez, Ed.D.(RCOE)





# Region 10 Science Leadership : Better Together! Facilitators/Support Staff

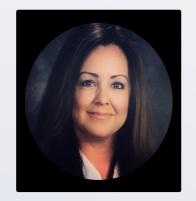




Mariano Aranda Science Consultant SBCSS



Yamileth Shimojyo STEM Administrator RCOE



Claudia Velez, Ed.D.
STEM Administrator
RCOE



Julia Nunez
Project & Activities Technician
SBCSS



Kelley Ambriz
Administrator's Secretary
RCOE



Michelle Sanchez
Administrator's Secretary
RCOE



http://bit.ly/3RFLDjS



# **DSL Community of Practice Goals 22-23**

- Goal 1 Implementation of high quality science instructional strategies in Region 10
- Goal 2 Building leadership capacity of our network members
- Goal 3 Regional advocacy efforts toward the inclusion of science instruction, K-12
- Goal 4 Connect with various STEM partners in our region to gain knowledge about industries and colleges that provide services to students



# District Science Leadership CoP Engagement

# please download and make a copy



### Mariano Aranda mariano.aranda@sbcss.net



San Bernardino County
Superintendent of Schools

**Science Coordinator** 

**Connection Region 10** 





Claudia Velez, Ed.D. cvelez@rcoe.us



• Riverside County Office of Education



- Administrator, Instructional Services-Division of Educational Services /STEM
- Engage and Support schools and districts with STEM Instructional Program Pathways, and increase Environmental Literacy

#### Favorite Activities:

- Camping and Traveling with family and friends
- Love football!
- Instructional Leader and Coach





# Mono | San Bernardino DSL Community of Practice Meeting Locations/Dates 22-23

<u>Flyer</u>

- Cal Baptist University College of Engineering
  - September 28, 2022
  - 8432 Magnolia Avenue, Riverside, CA 92504
- **■** Whitewater Preserve
  - November 16, 2022
  - 9160 Whitewater Canyon Road, Whitewater, CA 92282
- **Garner Holt, Education Through Imaginations** 
  - February 7, 2023
  - 1220 Research Drive, Redlands, CA 9274
- California State University San Bernardino, College of Education
  - April 28, 2023
  - 5500 University Parkway, San Bernardino, CA 92407

2022-2023

## District Science Leadership Community of Practice

#### WHAT

Please join Region 10 Science Leadership as we come together to connect and share our academic goals in order to focus on Next Generation Science Standards equitable instructional practices.

Goal 1 - Implementation of high-quality science instructional strategies in Region 10 Goal 2 - Building leadership capacity of our network members

Goal 3 - Regional advocacy efforts toward the inclusion of science instruction, K-12 Goal 4 - Connect with various Science, Technology, Engineering, and Math partners in our region to gain knowledge about industries and colleges that provide services to students.

#### WHO

TK-12 district science leaders, Teachers on Special Assignment, Instructional Coaches, school site leadership for both elementary and secondary, formal and non-formal science leaders and teachers

#### TIME

8:30 a.m. - 3:00 p.m.

#### FEE

\$100 per person

Cal Baptist University

#### College of Engineering September 28, 2022

8432 Magnolia Avenue Riverside, CA 92504 https://rcoe.k12oms.org/eventdetail.php?id=219782

#### Whitewater Preserve

#### November 16, 2022

9160 Whitewater Canyon Road Whitewater, CA 92282 http://rcoe.k12oms.org/485-220560

#### Garner Holt,

Education Through Imagination

#### February 7, 2023

1220 Research Drive Redlands, CA 9274 https://sbcss.k12oms.org/31-219583

#### California State University San Bernardino, College of Education

#### April 28, 2023

5500 University Parkway San Bernardino, CA 92407 https://sbcss.k12oms.org/31-219744













Transforming lives through education

Curriculum/Instruction and Academic Enrichment | Education Suppport Services Julia Nunez | science.events@sbcss.net | 909.386.2910 | www.sbcss.net



# District Science Leadership CoP Meeting Agenda



#### District Science Leadership CoP Meeting Agenda

NGSS Implementation via Key Behaviors

All Sciences ~ All Students

February 7, 2023

9:00 am - 2:30 pm Location: Garner Holt Education Through Imagination

#### Region 10 YouTube Channel

Advancing Equity and Access in Science Education: Leveraging our Community of Practice to Support NGSS Implementation strategies for all students via pre-determined Key Behaviors.

Facilitators: M. Aranda (SBCSS), Y. Shimojyo (RCOE), C. Velez (RCOE)

8:30 - 9:00	Check-in	and Informal	Networking
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Light Breakfast

9:00 - 9:10 Welcome and Opening

Mariano Aranda, SBCSS

9:10 - 9:15 **DSL Engagement** 

• Leadership Introduction Slides

9:15 - 11:30 Engage

• Opening Address: Sara Emerson, Garner Holt for Education

#### Explore:

• Host Tour: Garner Holt for Education

11:45 - 12:30 LUNCH



12:30 - 1:30 **Explain**:

#### District/Site CAST and CAA District Implementation

- Opportunity for Successful Science Implementation
- Influencer, The Power to Change Anything
- The Servant, A simple story about the true essence of Leadership

1:30 – 1:45 **Elaborate**:

#### District/Site CAST Goals Action Plan

- CAST Goals: Defining Vital Behaviors
- Simple and Visible Classroom Vital Behaviors
- Implementation Data

1:45 - 2:00 **Evaluate:** 

**CAST Goals Action Plan District Presentation Time** 

• 1 SBCSS and 1 RCOE

2:00 - 2:30 Informal Meeting/Networking

\_\_\_\_\_

<u>DSL-CoP 2022-2023</u> \*various locations September 28, 2022 February 7, 2023 November 16, 2022 April 28, 2023





# District Science Leadership CoP Meeting Our Host Today:

**Garner Holt** 

# **Education Through Imagination**









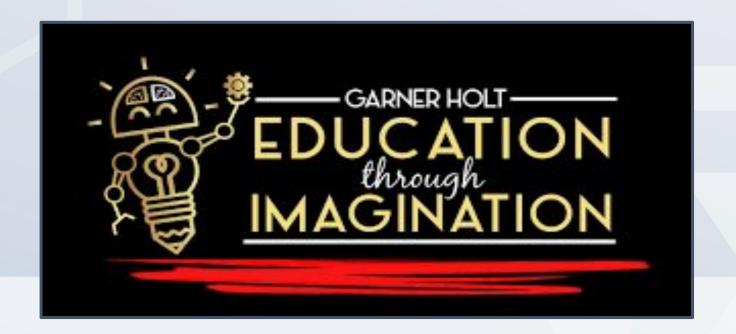






# **Explore:**

# Breakout Sessions: Tour of Animatronics Lab









# Lunch

## **Lunch Conversation:**

- What are your current implementation successes?
- What are your current implementation challenges?





# How can County Office Leadership assist your efforts on high quality science instruction for ALL?

CAST-Overview
DATA - 5 minutes- Mariano
CAA - 5 minutes- Yami
Task - 5 minutes- Claudia
District Slide Deck- 30 minutes
Looking at Data
District Presentation- 3 minutes

## The California Science Test (CAST)

The California Science Test or CAST is part of the statewide assessment system called the California Assessment of Student Performance and Progress or CAASPP.

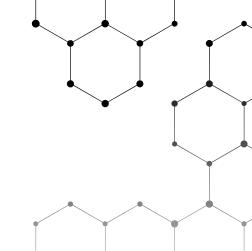
The CAASPP System is designed to give information to teachers, students, and their families about what students know and are able to do. It also indicates whether students are on track to be ready for success in college or career when they graduate from high school.



CAST









## **Transcripts**

https://docs.google.com/document/d/ /1u89uv4kwXEF0I5URBL0ZlmZti\_GcCe /CDD1BAetS0dc/edit?usp=sharing



# **Data Overview**

- Data results CAST
  - Trends in the data
  - Types of data reports
    - Claim and domain level data
    - Demographic features
- CDE website
  - Live demonstration
- CERS website
  - CERS Sandbox demonstration

CAST = revised blueprint:

https://www.cde.ca.gov/ta/tg/ca/documents/castblueprint0120.pdf



### The California Science Test (CAST)

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The CAASPP System is designed to give information to teachers, students, and their families about what students know and are able to do. It also indicates whether students are on track to be ready for success in college or career when they graduate from high school.



CAST



# CA Alternate Assessment for Science

#### Organization of the California Alternate Assessment for Science

The California Alternate Assessment (CAA) for Science is an untimed, computer-based assessment administered to students with the most significant cognitive disabilities whose individualized education program indicates the use of an alternate assessment. The assessment is aligned with alternate achievement standards-called the Science Core Content Connectors-which are linked to the performance expectations from the California Next Generation Science Standards. Eligible students take the assessment in grades five and eight and once in high school (grade ten, eleven, or twelve).

This assessment consists of four separate, embedded performance tasks (PTs), Each PT contains ten test questions specific to one of the three science domains, which are Earth and Space Sciences, Life Sciences, and Physical Sciences. One PT consists of two sections, each of which includes an orienting activity followed by five questions at three levels of increasing complexity.

#### Administer each of the four performance tasks at any time throughout the year!



Test examiners administer the four embedded PTs in any order, at any time, throughout the year. Each PT is administered to the student in a one-on-one setting by a trained test examiner shortly after the student has received instruction on the related science content. The annual Administration Planning Guide and Preparing for Administration documents provide guidance on embedding the assessment into the instructional calendar. The form-specific Directions for Administration document for each of the four PTs contains the administration scripts and may include necessary graphics. A test examiner survey at the end of each PT asks about the student's responsiveness during the assessment and will be used to improve the testing process in the future.

#### Resources

- California Department of Education CAA for Science web page: <a href="https://www.cde.ca.gov/ta/tg/ca/caascience.asp">https://www.cde.ca.gov/ta/tg/ca/caascience.asp</a>
- California Assessment of Student Performance and Progress CAAs General Information web page: https://www.caaspp.org/administration/about/caa/index.html





The California Assessment of Student Performance and Progress (CAASPP) System includes required assessments in English language arts/literacy (ELA), mathematics, and science, and is designed for all students, including students with disabilities. For ELA and mathematics, students with disabilities may participate in either the Smarter Balanced Summative Assessment or the California Alternate Assessment (CAA). For science, students with disabilities may participate in either the California Science Test (CAST) or the CAA for Science.

#### **ELA and Mathematics Assessments**



#### Science Assessments



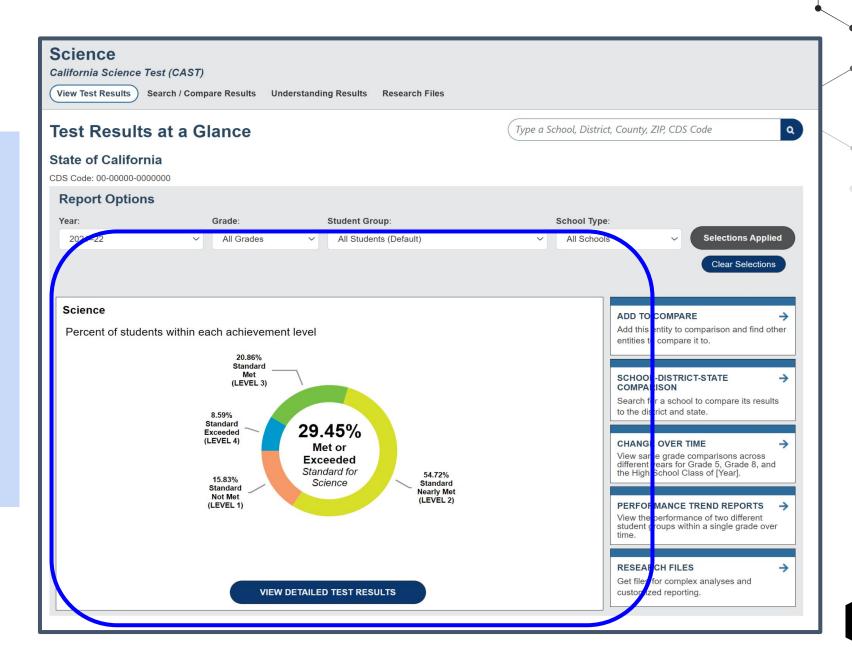
The following resources will assist individualized education program (IEP) teams in making informed decisions about student participation in the CAASPP System and about the assignment of accessibility resources that will allow students to demonstrate what they know and are able to do during classroom instruction and on the assessments.

talkeducatorscaa.pptx



# Test Results for California Science Test (CAST)

Direct link to CAST results







# Driving Questions for This Segment

- How and what does CAST data communicate about your district, and/or your school?
- How do you track and measure CAST progress across your District at all different scales (district, site, grade level)?
- What are strategies for sharing your impact with others, and why might you want to share this impact?
- How might you measure the impact of your programs, networks, and services, and what data can you collect to do this?





# **CAST Updates**

- How will CAST data be measured for 2023? 2024?
  - These will be the same as in previous years and are based on the revised CAST blueprints.
     <a href="https://www.cde.ca.gov/ta/tg/ca/castscalescores.asp">https://www.cde.ca.gov/ta/tg/ca/castscalescores.asp</a>
- How are 2022 CAST scores used?
  - The scores will help provide educators with domain level data to support instruction for the following year and identify where gaps my lie.
- Will the data results affect school data on dashboard?
  - Not currently, There are talks to science being added to the dashboard, but that hasn't occurred yet.
- Are there any changes or updates to CAST?
  - The CAST is the same this year as in previous years. It is a full-form test, there isn't a shortened version.
- What are important points to address with CAST?
  - CAST is structured <a href="https://www.caaspp.org/rsc/pdfs/organizationcast.pdf">https://www.caaspp.org/rsc/pdfs/organizationcast.pdf</a>
  - There are many resource available.
- What are things to consider?
  - The CAA for science: some districts have students that meet the requirements for the alternate assessment.
    - https://www.cde.ca.gov/ta/tg/ca/caascience.asp





# **CAST Resources**

### Web pages:

CDE's CAST web page: <a href="https://www.cde.ca.gov/ta/tg/ca/caasppscience.asp">https://www.cde.ca.gov/ta/tg/ca/caasppscience.asp</a>

CAST web page on CAASPP.org: <a href="https://www.caaspp.org/administration/about/science/index.html">https://www.caaspp.org/administration/about/science/index.html</a>

### **Resources:**

Organization flyer: <a href="https://www.caaspp.org/rsc/pdfs/organizationcast.pdf">https://www.caaspp.org/rsc/pdfs/organizationcast.pdf</a>

High school flyer: <a href="https://www.cde.ca.gov/ta/tg/ca/documents/sciencetestadminhs.pdf">www.cde.ca.gov/ta/tg/ca/documents/sciencetestadminhs.pdf</a>

Starting Smarter for parents: <a href="https://ca.startingsmarter.org/">https://ca.startingsmarter.org/</a>

Public results: <a href="https://caaspp-elpac.ets.org/caaspp/">https://caaspp-elpac.ets.org/caaspp/</a>

How to guides: <a href="https://www.cde.ca.gov/ta/tg/ca/caasppqrg.asp">https://www.cde.ca.gov/ta/tg/ca/caasppqrg.asp</a>

Accessibility flyer: www.cde.ca.gov/ta/tg/ca/documents/scienceresources.pdf



# Establishing a Strategic Actionable Plan

It is time for a planning document to action plan!

# **CAST Action Plan Template**

- Purpose and Overview
- Demographics
- Initiative Overview (vision, mission, goals)
- Programs & Networks Plan
- Projects & Resources Plan
- Technical Assistance Considerations/Services
- Community Input











# Plan Next Steps

Based on your data walk and students you identified that need support, how will you use the CAA and/or EL information to make a difference in your district? What implications does our collaborative work have for your practice between this meeting and the next? What change will you make in your work with students, their families, or your colleagues?

Planned Change: I will...

Hammill Limitinta thin	WAR S. 767 S.C D. 9	
How will I initiate this change? What am I going to do? What steps will I take and when will I take them?	What supports do I need to be successful? Who can help me and what do I need from them?	How will I know if I've made progress? What evidence will I review? How will I document my own growth? Improvements in student learning?
	to do? What steps will I take and when will I take	to do? What steps will I can help me and what do I take and when will I take need from them?





# Please download the GSD and link it below.

(Please make a copy and rename it.)



## **RCOE**

Riverside USD

**CNUSD** 

Lake Elsinore

Temecula

**Desert Sands** 

Jurupa

Palm Springs

Val Verde



## **SBCSS**

**Apple Valley** 

**Colton Joint** 

**Fontana** 

**Mountain View** 

Ontario-Montclair

Redlands

**Rialto** 

Be prepared to share with your team.



# Thank You!



# Please Register for our Next Meeting! Friday, April 28, 2023 CSU San Bernardino

https://sbcss.k12oms.org/31-219744

#### 2022-2023

# District Science Leadership Community of Practice

#### WHAT

Please join Region 10 Science Leadership as we come together to connect and share our academic goals in order to focus on Next Generation Science Standards equitable instructional practices.

Goal 1 - Implementation of high-quality science instructional strategies in Region 10 Goal 2 - Building leadership capacity of our network members

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#### WHO

TK-12 district science leaders, Teachers on Special Assignment, Instructional Coaches, school site leadership for both elementary and secondary, formal and non-formal science leaders and teachers

#### TIME

8:30 a.m. - 3:00 p.m.

#### FEE

\$100 per person

Cal Baptist University College of Engineering

#### September 28, 2022

8432 Magnolia Avenue Riverside, CA 92504 https://rcoe.k12oms.org/eventdetail. php?id=219782

#### Whitewater Preserve

#### November 16, 2022

9160 Whitewater Canyon Road Whitewater, CA 92282 http://rcoe.k12oms.org/485-220560

#### Garner Holt, Education Through Imagination

#### February 7, 2023

1220 Research Drive Redlands, CA 9274 https://sbcss.k12oms.org/31-219583

#### California State University San Bernardino, College of Education

#### April 28, 2023

5500 University Parkway San Bernardino, CA 92407 https://sbcss.k12oms.org/31-219744



THE WILDLANDS CONSERVANCY









#### Transforming lives through education

Curriculum/Instruction and Academic Enrichment | Education Suppport Services Julia Nunez | science.events@sbcss.net | 909.386.2910 | www.sbcss.net







# **CAASPP**

CAASPP website: <u>Upcoming Training Opportunities (caaspp.org)</u>

# **Upcoming Training Opportunities**

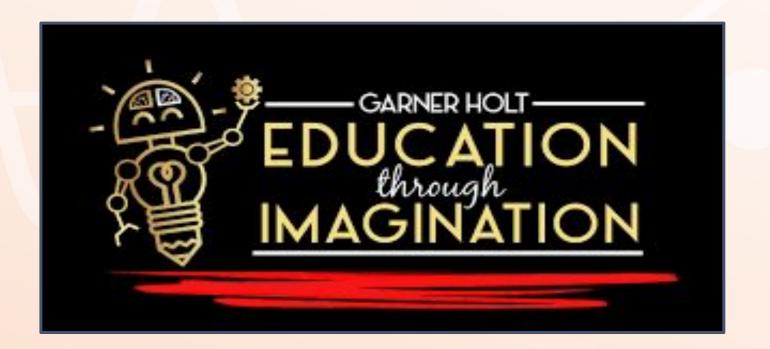
On behalf of the California Department of Education, ETS and the Sacramento County Office of Education host a variety of workshops and professional development opportunities each year. Statewide trainings are held virtually. Training opportunities are available for both CAASPP and ELPAC coordinators as well as classroom educators.

For a complete list of events, go to caaspp.org





# Thank you to Garner Holt!





# Environmental Education Collaborative

Registration Link









# Southern California Association of Science Specialist SCASS

**Registration Link** 

https://lacoe.k12oms.org/1542-222010

**SCASS In person Spring Convening** 

Thursday, March 9, 2023

Time: 9am-2pm

8265 Aspen Ave.

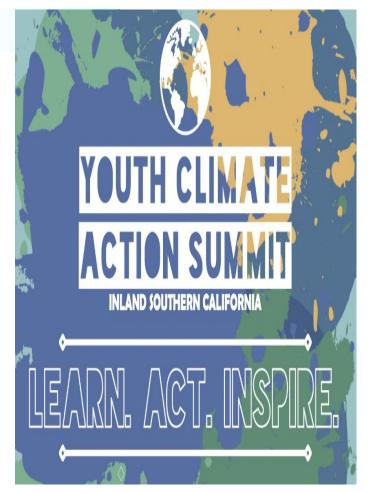
Rancho Cucamonga, CA 91730

Cost: Free

Breakfast and Lunch included

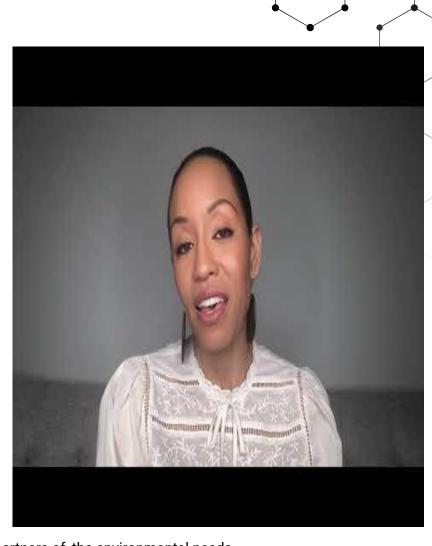






# Youth Climate Action Summit EVENT DATE: April 21, 2023

Location:
Eisenhower High School
Audience: AP Environmental
Science Students/High School
Students, Community Partners
Event Goal: Build local capacity
for grassroots organizing work
for supporting environmental
literacy



**VISION AND GOAL:** To develop awareness with students, community and educational partners of, the environmental needs, and increase environmental literacy knowledge, skills, attitudes, motivations and commitment to work collectively towards creating solutions of current environmental needs.



# YCAS





#### VISION AND GOAL:

To develop awareness with students, community, and educational partners of the environmental needs, and increase environmental literacy knowledge, skills, attitudes, motivations, and commitment to work collectively towards creating solutions of current environmental needs.

#### AUDIENCE:

Advanced Placement Environmental Science students, high school students, and community partners





### Friday, April 21, 2023

2:00 - 6:00 p.m.

**Eisenhower High School** 1321 North Lilac Avenue Rialto, CA 92376

NO FEE

#### REGISTRATION:

https://sbcss.k12oms.org/31-2306/5



#### Transforming lives through education

Education Support Services | Curriculum/Instruction and Academic Enrichment Julia Nunez | julia.nunez@sbcss.net | 909.386.2910 | www.sbcss.net



Juanita Chan-Roden
jchan@rialtousd.org

Rialto USD Agent: Science and
Career Programs
Chavez/Huerta Center for
Education
324 N. Palm Ave| STEM Center
Rialto, Ca. 92376
Cell (909) 728-1851

Region 10 Collaboration
Need 10 high schools from RCOE
Need 10 high school from SBCSS

# Youth Climate Action Summit April 21, 2023 Eisenhower High School Rialto, Ca 2-6 pm



# Our Storymap



# Riverside Inyo Mono | San Bernardino Elaborate: STEM Ecosystem



## **Initiatives in Support of High Quality STEM/Science Instruction**

# **District Science Leadership Community of Practice 22-23**

4 meetings dates: 9/28/2022, 11/16/2022, 2/8/2023 and 4/19/2023

## **STEM Summer Learning Labs**

- Summer 2023
  - STEM PULL 7/10 7/14
  - **STEM LEAPS 7/17 7/21**
  - **STEM I AM 7/17 7/21**
  - STEM Solutions 7/24 7/28
  - STEM ID Coming Soon!

### **STEM Academies**

- **Summer 2023** 
  - 5th/6th Grades 7/18 7/20
  - 7th 8th Grades 7/25 7/28

STEMaPalooza: 2/21/23 Register Now!

## **Educator STEPCon23:**

Tuesday, October 10, 2023 In Person

## **Student STEPCon23:**

- In Person, Thursday, October 5, 2023
- On Line, Available on Oct. 5 and 1 month thereafter

#### **Counselor STEPCon23:**

In Person, Wednesday, November 8, 2023





# Society for Science Advocate Program

https://www.societyforscience.org/

We invite you to apply for the Society for Science Advocate Program, which provides a \$3,000 stipend and training to an individual (teacher, scientist, counselor, or mentor) who agrees to serve as an advocate for a minimum of 3 additional students from traditionally underrepresented groups to transition them from conducting scientific or engineering research (science fair-type) projects to completing applications to STEM research competitions.

For eligibility information and to apply for the Advocate Program, <u>click here</u>. Advocates must already have a formal role with students completing research projects. This program is sponsored by Arconic Foundation, Intel, the Jack Kent Cooke Foundation, and Regeneron.



**Application Deadline:** March 5, 2023

Please send any questions to advocates@societyforscience.org.

Caitlin Sullivan — Director of Outreach & Equity Programs

Emily Freeland — Outreach & Equity **Programs Specialist** 



# THE SCIENCE OF SOUND AND MUSIC

# **WORKSHOP**

Click here to register for the workshop
THE SCIENCE OF SOUND AND MUSIC

**WORKSHOP** 

PARTICIPANTS WILL BE PAID \$800

When: February 18th and March 4th from 8:30am to 3:30pm

Where: California Science Center.

Food: A light breakfast and refreshments will be provided in the morning. There will be a 1-hour break for lunch on your own.

Parking: Will be provided.

Stipend: Participants will receive a stipend of \$800 for attending the workshop and completing some light homework before and after the event, and attend a 1.5 hour virtual follow-up meeting to support what was learned at the workshop.







# **Instructional Materials Conference Live Event**

Does your school/district need to adopt supplemental or science instructional materials?

- Location: Cal State San Bernardino
  - College of Education
- Time: 2 pm 8 pm
- Date: Thursday April 27, 2023
- Cost: Free
- 16 publishers and supplemental instructional material
- Registration Link: <a href="https://sbcss.k12oms.org/31-228196">https://sbcss.k12oms.org/31-228196</a>



# What Science Textbooks has your district/ school adopted?

The NextGenScience team (formerly the Achieve science team) is conducting a national landscape analysis of K–12 science instructional materials selection and modification. We'd love your help in distributing this survey to your teacher and school administrator networks! <a href="http://surveymonkey.com/r/SciEd2023">http://surveymonkey.com/r/SciEd2023</a>

### Thanks for your help!

### When should I take the survey?

Please complete the survey by Monday, **February 13**. Anybody who completes the survey will be placed in a raffle to win a **\$50 Amazon gift card**.

Please reach out to Neelo Soltanzadeh (nsoltan@wested.org) if you have any questions about the survey.











## Resources

**NHM** 

Resources:

Google Slide Deck
GSD1.21.23



2.11.23: Prehistoric Paleoart at NHM

3.4.22: Community Science Field Trip to

the Santa Fe Dam

3.25.23: Botany at La Brea Tar Pits

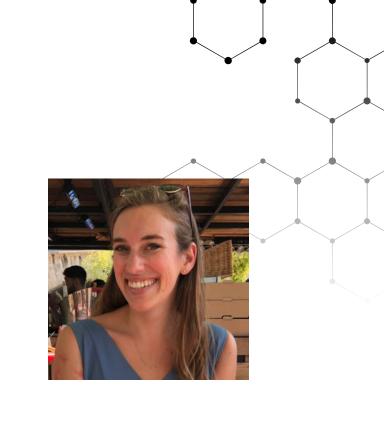
**5.13.23:** Exploring the Scanning Electron

Microscope at NHM

Time: 9 am- 12 pm

Location:

900 W Exposition Blvd, Los Angeles, CA 90007



(she/her/hers)

Sr. Manager, School & Teacher Programs
rfidler@nhm.org







**Registration is now open!** Check out our event homepage to register and for more information:

https://www.wsbcss.org/apps/pages/index
.jsp?uREC\_ID=2353354&type=d&pREC\_I
D=2278007

Registration is open for teachers, students, and guests.

Check out the teaser video here:

https://bit.ly/STEMapaloozaDate23









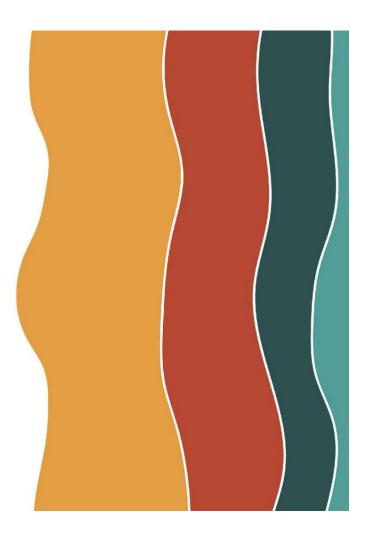
# **CARDEA Resources**

# Let's Talk About Sex... Education!

Cardea and RCOE
Collaboration Opportunities

**Cynthia Cervantes, MPH, CHES** 







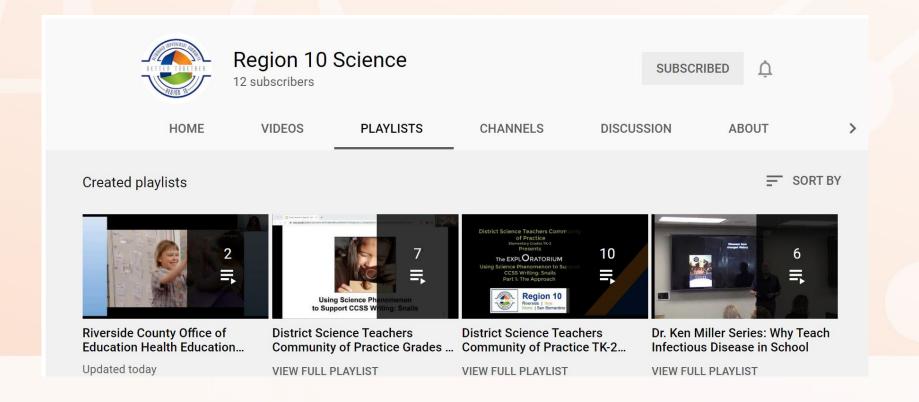




# Region 10 YouTube Channel

► To access resources and videos,

Region 10 YouTube Share/disseminate videos! Subscribe now!









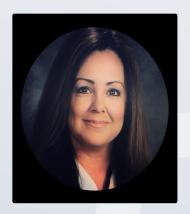
# Thank You



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Yamileth Shimojyo STEM Administrator RCOE



Claudia Velez, Ed. D.
STEM Administrator
RCOE

