



Region 10
Riverside | Inyo
Mono | San Bernardino



District Science Leadership CoP Meeting Agenda

All Sciences ~ All Students

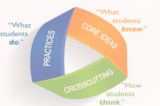
September 28, 2022

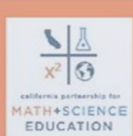
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Agenda

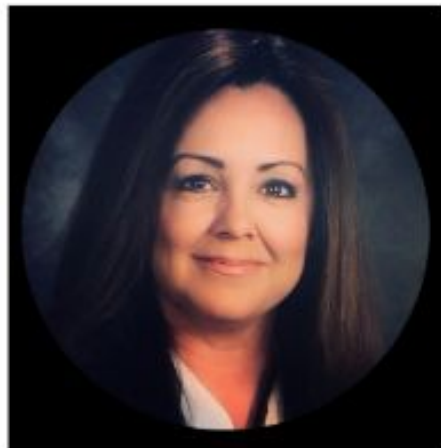
Advancing Equity and Access in Science Education: Leveraging our Community of Practice to Support NGSS Implementation strategies for all students via pre-determined Key Behaviors.

Facilitators: Yamileth Shimojyo (RCOE), Mariano Aranda (SBCSS), Lynn Figurate (RCOE), Claudia Velez (RCOE)





Welcome Claudia!



Claudia L. Velez, Ed.D.

Administrator

Instructional Services : STEM/Science

Division of Educational Services

Riverside County Office of Education



**RIVERSIDE COUNTY
OFFICE OF EDUCATION**

EDWIN GOMEZ, Ed.D. | County Superintendent of Schools

- 23 Years in Education
- 13 Years as Administrator
- Principal of the Year 2017 and 2019
- RCOE Models of Academic Excellence 2014 and 2016
- STEM Magnet Instructional Program and Integration of STEM Across Content



cvelez@rcoe.us



951.826.6304



@claudialvelez



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



Mariano Aranda
Science Consultant
SBCSS



Yamileth Shimojo
STEM Administrator
RCOE



Lynn Figurate
Science/Writing Specialist
RCOE



Claudia Velez, Ed. D.
STEM Administrator
RCOE



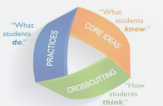
Corrina De Leon
Administrator's Secretary
RCOE



Kelley Ambriz
Administrator's Secretary
RCOE



Michelle Sanchez
Administrator's Secretary
RCOE





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



DSL Community of Practice Meeting Locations/Dates, 22-23

[Flyer](#)

- **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**
 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>









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 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
September 28, 2022, 9:00 am - 2:30 pm
[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), L. Figurate (RCOE), Y. Shimojyo (RCOE), C. Velez (RCOE)

- 8:30 – 9:00 **Check-in and Informal Networking**
 - Light Breakfast
- 9:00 – 9:30 **Welcome and Opening**
Yamileth Shimojyo, Administrator, RCOE
Welcome Claudia!
- 9:30 – 11:30 **Engage:**
Opening Address: Dr. Phil van Haaster,
Dean of the Gordon and Jill Bourns College of Engineering
- Explore:**
Host Tour and Breakout Sessions, CBU College of Engineering
 - Design for Earthquake-resistant Structures
 - Biomechanics of Energy Consumption
 - Diffusion of Molecules
 - Pullapalooza
- 11:45 – 12:30 **LUNCH**
- 12:30 – 12:45 **Statewide Update**
Pete A'hearn, President, California Science Educators (CASE)
- 12:45 – 1:30 **Explain:** NGSS Implementation via Vital Behaviors

a. [Opportunity for Successful Science Implementation](#)



- b. [Influencer, The Power to Change Anything](#)
- c. [The Servant, A simple story about the true essence of Leadership](#)

- 1:30 – 1:45 **Elaborate:**
Region 10 NIC Members/Leadership
 - Defining Vital Behaviors
 - Simple and Visible Classroom Vital Behaviors
 - Implementation Data
- STEM Ecosystem
 - Initiatives in Support of high quality science instruction

- 1:45 – 2:00 **Evaluate:**
[Measurement of Local NGSS Vital Behaviors](#)
[Measurement of our Region 10 NGSS Vital Behaviors](#)

2:00 – 3:00 Informal Meeting/Networking

<u>DSL-CoP 2022-2023</u> <i>*various locations</i>	September 28, 2022 February 8, 2023	November 16, 2022 April 19, 2023
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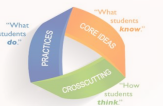
District Science Leadership CoP Meeting

Our Host Today:

**Cal Baptist University,
Gordon and Jill Bourns, College of Engineering**



THANK YOU TO OUR HOSTS!



Engage : Opening Address by our Host

College of Engineering



Phil van Haaster, DBA

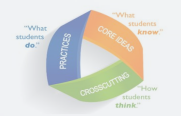
Assistant Professor of Mechanical Engineering
Dean, Gordon and Jill Bourns College of Engineering

Office Phone: (951) 552-8248

E-mail: pvanhaaster@calbaptist.edu

Office Location: College of Engineering Building, TEGR 356 A

[Presentation Slides: COE STEM Distinctives](#)

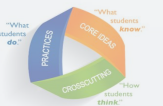




Explore: Host Tour, CBU College of Engineering

Breakout Sessions:

- **Design for Earthquake-resistant Structures**
- **Biomechanics of Energy Consumption**
- **Diffusion of Molecules**
- **Pullapalooza**



Lunch! @ the CBU-ADC Cafeteria

Lunch Conversation:

1. What are your current implementation successes?
2. What are your current implementation challenges?



Provided by



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Statewide Update

For DSL CoP 9.28.22
Peter A'hearn, President





CAST

- Science data will be linked to 2022 Dashboard! Science is expected to be on the 2023 Dashboard as an indicator. (need two years of valid and reliable data)
- The math framework has been delayed until sometime in 2023



Policy and Advocacy

- The CA budget has \$85 million to support STEM Infrastructure.
- \$3.56 billion Arts, Music, Instructional Materials Discretionary Block Grant (AB 185) includes Science and Environmental Literacy- start communicating now!
- This is in addition to educator effectiveness block grants rolled over from last year that now specifically call out science.
- Also look for big increases in LCFF funding!
- California Blueprint Coalition and CASE will be developing information and communication tools around this funding in the next month.



Back in Palm Springs!

- [CASE Conference 2022](#)- Palm Springs October 14-16
 - Will include a [Pre-conference Day](#) for Science Leaders on Thursday
- [Networking for Science](#) meeting October 26-for TOSAs and Department Chairs
- CASE Membership is Now \$30!





Explain: Opportunity for Successful Science Implementation

22-23 Exercises 1 - 8 NGSS Implementation

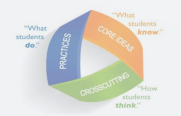
Exercise 1: How does the NGSS Fit into Existing Initiatives? Self-Assessment

Exercise 2: Identifying Data to Support Improvement

Region 10 LCAP Advocacy Check Points

Directions: Review each item. Check all that apply.

<input type="checkbox"/>	Your LCAP has clear planned actions/services and sufficient budgeted expenditures for high quality TK-12 science instruction.
<input type="checkbox"/>	Education Partners collaboratively present action plan proposals to you as an LCAP writer.
<input type="checkbox"/>	Partners collaboratively pitched action plan proposals to LCAP writers.
<input type="checkbox"/>	Present action plan with data/metrics proposal to LCAP writers.
<input type="checkbox"/>	Revised action plan proposals with Educational Partners.
<input type="checkbox"/>	Write an action plan proposal with budgeted expenditures for LCAP.
<input type="checkbox"/>	Budget appropriate funding for resources, personnel, and professional development.
<input type="checkbox"/>	Collected other metrics other than state-level assessments for science student advancement.
<input type="checkbox"/>	Know my current CAST and CAA data including supplemental concentration groups such as English Learners, Foster Youth, and Socio-Economically Disadvantaged Youth.
<input type="checkbox"/>	Read the document, "Opportunity for Successful Science Implementation in a Post-Pandemic Climate."





Explain: The Servant , A simple story about the true essence of Leadership

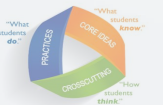
Be Authentic

Be Vulnerable

Be Accepting

Be Present

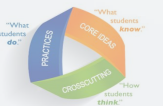
Be Useful





Explain: Influencer, The Power to Change Anything

“Vital Behaviors are the smallest set of actions that lead to the results you want. They are the few high-leverage actions that if you keep doing, produce the outcomes you’re after... Vital Behaviors cut to the chase.”



Elaborate: NGSS Implementation via Vital Behaviors

We Advocate

We analyze systems



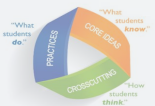
We Identify Vital Behaviors

We are Influencers

Region 10 NIC Members/Leadership

Defining Vital Behaviors for Region 10 Simple, Visible Classroom Vital Behaviors

Implementation Data / CAST





Elaborate: STEM Ecosystem



Initiatives in Support of High Quality 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

3x3 DST NGSS Resource Board

- Share widely!

STEM Summer Learning Labs

- COMING July, 2023 [STEM PULL, STEM LEAPS, STEM ID, STEM Solutions]

High Science Advancing Student Research Teaching Academy: 2/13 - 2/17 2023

Middle School: Empowering Educators to Support
Genuine Research: April 5,6,7, 2023

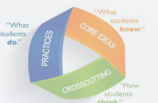
STEMaPalooza: 2/21/23

Educator STEPCon22: 10/11/22

- Location: Bourns Technology Center, Riverside

Student STEPCon22: 10/6/22

- Virtual Platform: Science Show, Exhibits, Student Research, Leaderboard, Hackout/Blackout





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Elaborate: STEM Ecosystem

Initiatives in Support of High Quality Science Instruction

SAVE-THE DATES

EVENTDATE: April 21, 2023

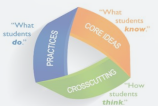
CSUSB, AP Environmental Science Students

Youth Action Climate Summit

EVENT: April 5 - 7, 2023

SBCSS, Audience: MS Teachers, Leaders

Empowering Educators to Support Genuine Research





Evaluate:

Measurement of our Region 10 NGSS Vital Behaviors

Measurement of Local NGSS Vital Behaviors

REGION 10 District Science Leaders											
Region 10 Aim Statement: Each participating LEA/School in Region 10 will establish an implementation goal of NGSS Vital Behaviors for the 2021 - 2022 academic school year.											
Elementary Site/District SAMPLE: xx% of teachers in NAME OF SCHOOL SITE will implement observable Vital NGSS classroom behaviors by the end of the school year.											
Secondary Site/District SAMPLE: xx% of teachers in NAME OF SCHOOL SITE will implement observable Vital NGSS classroom behaviors by the end of the school year.											
Implementation of NGSS Key Behaviors, TK-12											
NGSS Vital Behavior Data Metrics											
	Name	Role/Title	Email	School OR	Implementation		BENCHMARK /	November	Februray	April	Additional Notes
					Elementary % Goal	Secondary % Goal					
1											
2											
3											
4											
5											
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20											

NGSS Implementation Vital Behaviors Local Data 2021-2022		
Number of Classrooms	Vital Behavior	Implementation Percentage
	Vital Behavior #1	
	Vital Behavior #2	
	Vital Behavior #3	
	Vital Behavior #4	
	Vital Behavior #5	
Total of Classrooms Visited:		Average:

*A Region 10 NGSS/STEM Initiative to support inclusive, high quality science instruction for ALL.



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

Please provide Feedback about today:

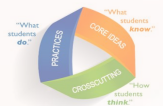
[CLICK HERE](https://forms.gle/aTje47i7HbsuSK8V7)

(<https://forms.gle/aTje47i7HbsuSK8V7>)



Region 10 YouTube Channel

- ▶ To access resources and videos, [Region 10 YouTube](#) Share/disseminate videos! Subscribe now!





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Thank you to CBU!



GORDON AND JILL BOURNS
College of Engineering

Rhonda Clement M.S.

Director of Strategic Initiatives/ SWE Advisor
Gordon and Jill Bourns College of Engineering

rclement@calbaptist.edu

www.calbaptist.edu



Thank You!

Please Register for our next Meeting!

Please register at:



■ **Whitewater Preserve**

- November 16, 2022
- 9160 Whitewater Canyon Road, Whitewater, CA 92282

