

CCCCC California Collaborative for Educational Excellence

# Balanced Assessment Systems in Action



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## March 26, 2024





# Welcome



### Ingrid Roberson

Assistant Director of Research Learning, CCEE

- Recording & slides will be posted on
   <u>CCEE's website</u>
- Slides will be linked in the chat
- **Questions/Comments**: Please use the Q&A or "Raise Hand" features





# Agenda

- Overview of District & DRLN Project
- Implementing Formative Assessment in Math
- Measuring for Improvement and Impact
- Next Steps

# District & Project Overview

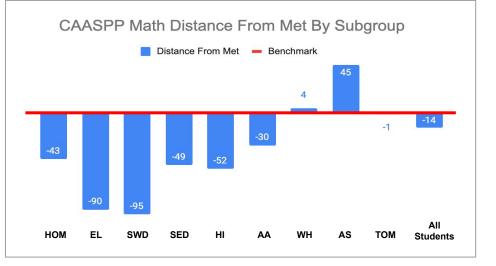




# **Rincon Valley Union School District**

- 3,000 TK-6 learners, at seven elementary schools
- 200+ learners at charter middle school campus & Home Study program

White	48.5%
Hispanic	30.5%
Asian/ Pacific Islander	7.1%
African American	2.5%
Two or More	7.1%
English Learners	18.0%
Students with Disabilities	16.0%
Free and Reduced	30.0%







# What Brought Us Here



CAC 2022

Math Committee



Teacher Survey

Formative Assessment





# **Our Current Reality**

"Nationwide, the average U.S. fifth grade classroom contained students across seven different grade levels **before** the pandemic, according to research from NWEA. In the wake of the pandemic, that spread is now estimated to nine grade levels."

(Edsource <u>article</u>, August 2023)





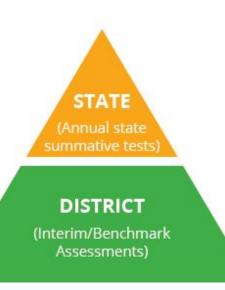
## **Balanced Assessment System**

MAIN PURPOSES AND USES OF ASSESSMENT INFORMATION

- Evaluate Learning, School Quality (Accountability), & Policies
- Predict Learning
- Evaluate Curricula/Programs
- Inform student services & placement decisions



 Inform Parents & Students about Learning Progress



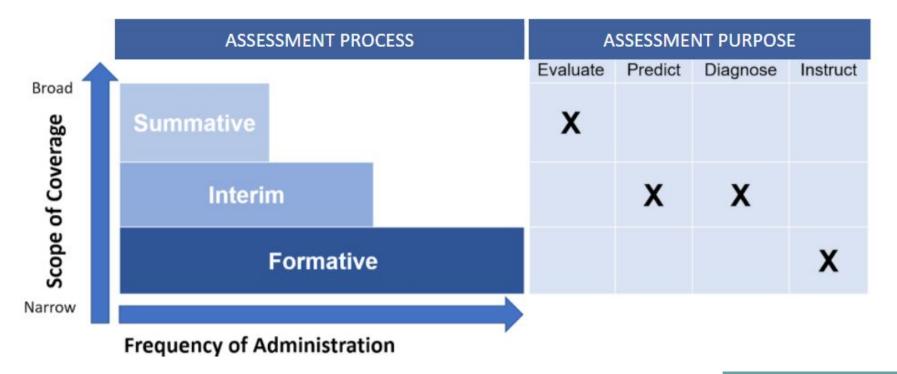
### CLASSROOM

(Formative and Summative Classroom Assessments)





## Matching Assessment Process & Purpose







## **Formative Assessment Practice**

	Where the learner is going	Where the learner is now	How to get there
Teacher	Clarifying, sharing, and understanding	Engineering effective discussions, tasks, and activities that elicit evidence of learning	Providing feedback that moves learning forward
Peer	learning intentions and success criteria	Activating studen resources for c	•
Learner		Activating students their own le	

Wiliam, D. (2018). Embedded formative assessment, 2nd ed. Bloomington, IN: Solution Tree Press.





## **Formative Assessment Practice**

"...a planned, ongoing process used by all students and teachers during learning and teaching to elicit and use evidence of student learning to improve student understanding of intended disciplinary learning outcomes and support students to become self-directed learners."

Council of Chief State School Officers (2018, p. 2). Revising the Definition of Formative Assessment.





# **DRLN Project Overview**



## Innovation Idea:

- Pilot comprehensive math formative assessment practices at two of our elementary school sites, Whited Elementary and Madrone Elementary
- Provide foundational training on both formative assessments and mathematical learning progressions

## Anticipated Impact:

- Strengthened universal math instructional practices
- More collegial, data-centered conversations
- Improved student outcomes
- New model for strategic planning

# Implementing Math Formative Assessments







## Implementation A Two-Pronged Approach

### Teacher Professional Learning

- Four Domains of Formative Assessment
- Ongoing Assessment Project (OGAP) Mathematical Learning Progressions



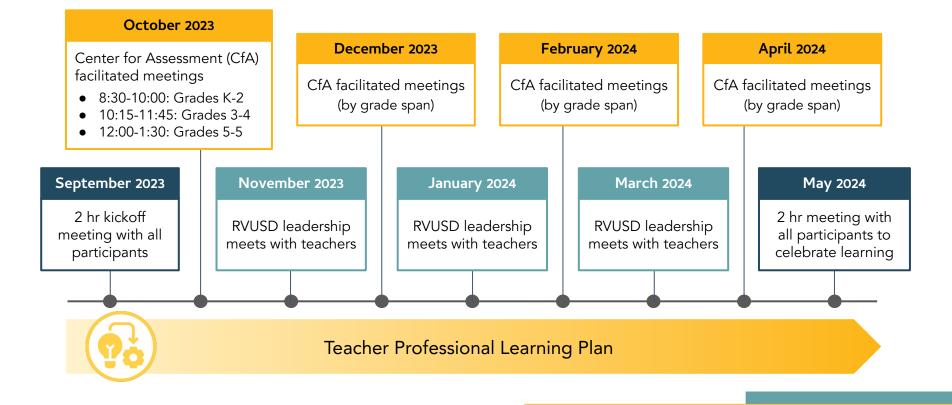
### Walkthroughs

- Protocols, Look-Fors, Note-taking, Reflections (individual and general)
- Leadership & Teachers





# Implementing at a Glance







## **Four Domains of Formative Assessment**



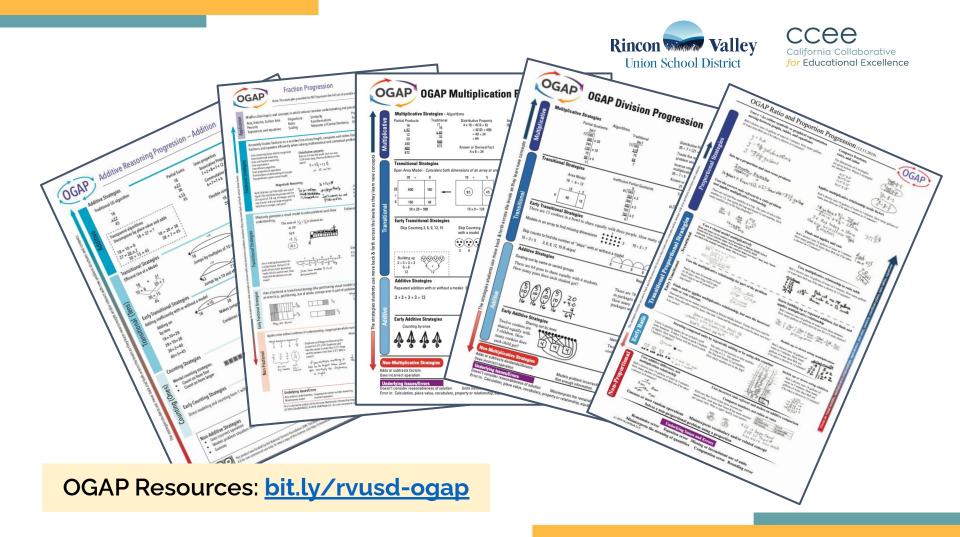
Starts & Ends of Lessons Eliciting Evidence of Student Understanding Peer- and Self-Assessment **Use of Evidence** 





# **OGAP Learning Progressions**

"...a systemic and intentional formative assessment system in mathematics grounded in the research on how students learn mathematics."

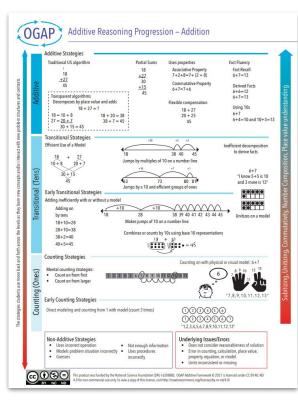


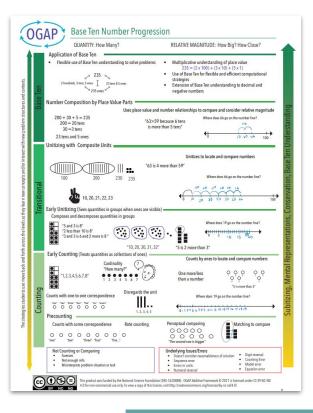




## **OGAP Additive Framework**

OGAP	) OGAP Additiv	e Framework	ogapmathlic.
	Depending upon the strength	of additive reasoning, students may move up additive reasoning and strategies as they in	
Problem Context Counting Owantites Paterns Addito Stuations Add to Take from Patt together/Ekke apart Concept/Stoperties Properties and Relationsl Magnitude Base 10/Place Value Concepts Strategies	Problem Structures <u>Types of Items</u> Contextual Non-contextual <u>Complexity of Addends</u> Single digit Multiples of 10, 100, 1000 Representations	Expertise and Relationships Relationship between addition and subtraction Commutative property Accossive property Relationships between models, equations and contexts Compensation Constant difference Addends Three or more addends Compositions of 10 Relationship between addends	Maanings for Subtraction Difference Removal Description Number of steps Sungle stap Multir step
	Result Unknown	Change Unknown	Start Unknown
Add To	Two bunnies sat on the grass. Three	Two bunnies were sitting on the grass. Some more bunnies hopped there. Then there were	Some bunnies were sitting on the grass Three more bunnies hopped there. The
	more bunnies hopped there. How many bunnies are on the grass now?	five bunnies. How many bunnies hopped over to the first two?	there were five bunnies. How many bunnies were on the grass before?
	bunnies are on the grass now? 2 + 3 = ?	five bunnies. How many bunnies hopped	there were five bunnies. How many bunnies were on the grass before? ? + 3 = 5
Take From	bunnies are on the grass now? 2 + 3 = ? Five apples were on the table. I ate two apples. How many apples are on the table now?	five bunnies. How many bunnies hopped over to the first two? 2 + ? = 5 Five apples were on the table. Late some apples. Then there were three apples. How many apples did I eat?	bunnies were on the grass before? ? + 3 = 5
Take From	bunnies are on the grass now? 2 + 3 = ? Five apples were on the table. I ate two apples. How many apples are on the table	five bunnies. How many bunnies hopped over to the first two? 2 + ? = 5 Five apples were on the table. Late some apples. Then there were three apples. How	bunnies were on the grass before? ? + 3 = 5 Some apples were on the table. I ate tv apples. Then there were three apples. How many apples were on the table
	burnies are on the grass now? 2 + 3 = ? Five apples. How many apples are on the table now? 5 - 2 = ? Total Unknown	fine burnies. How many burnies hopped over to the first two? 2 + 2 = 5 Five apples when on the table 1 are some apples. Then three were three apples. How many apples did I eat? 5 - 7 = 3 Both Addends Unknown	bunnies were on the grass before? ? + 3 = 5 Some apples, there on the table. I ate the apples, these there were three apples. How mary apples were on the table before? ? - 2 = 3 Addend Unknown
Take From Put Together/Take Apart	bunnies are on the grass now? 2 + 3 = ? Five apples were on the table. Late two apples. How many apples are on the table now? 5 - 2 = ?	The bannisk, showinary bannisk hopped over the Mir Link were the Mir Link some 2 + 2 = 5 Fire applies were three applies. Link some applies, link there were three applies. How many applies did Lank S - 7 = 3 <b>Bath Addrends Unknown</b> Gradma has five flowers. How many can she put a fer divisue and how many in the falle use?	bunnies were on the grass before? 2 + 3 = 5 Some apples were on the table. I ate to apples. Then there were in the table before? 7 - 2 = 3 <b>Addend Unknown</b> Five apples are on the table. Three are
	bunniss are on the grass now? 2 + 3 = ? Five applets were on the table. I all two many applets are on the table 5 - 2 = ? <b>Total Unknown</b> Three end apples and two green apples are on the table. How many apples are on	fine burnes: How many burnies hopped over to the first two over to the first two over to the first two over the table 1 are some single the second the second test the second test of the second test over the second test over the second test over the Second test over the second test over the second test over the Caradom has fine 6 fourts: How many can be or in the region and how many in the table	bunnies were on the gracs before? 7 + 3 = 5 Some applies were on the table. I ate tr applies. These there were three apples. How many apples were on the table before? 7 - 2 = 3 <b>Addend Unknown</b> Five apples are on the table. There are and the rest are ones. How may use
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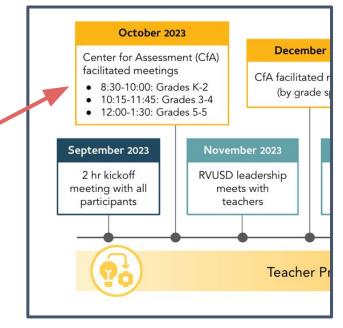






## Professional Learning Sessions What They Look Like

- 5 roving subs per site
- Training Session Content
  - *First half*: OGAP training based on content current being taught
  - Second half: Formative
     Assessment Domain
  - Time for reflection/action plan







# Walkthroughs

"In Rincon Valley, walkthroughs open the doors of classrooms so that all teachers can learn from one another and grow together in the practice of teaching. The goal of all of our work is to better serve all learners."

Walk-Through Partici			
Teacher Name:	Rincon Walley Union School District		
Date & Time In/Out:	G	roup Debrief: Feedback for the Teache	r
Focus of the Observat	What were strong points of the lesson, teaching	ng strategies, and/or student engagement?	
□ Start of Lesson			
End of Lesson			
Eliciting Evidenc Understanding			
	What we noticed:		
Notes on doing: cap	Teacher	Student	What we wondered about:
language a			
	Self Reflection: What I'm thinking about or co		

Walkthrough/Reflection Protocol: bit.ly/rvusd-walkthrough

### Walkthrough Debrief Notes- Teacher Feedback



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#### Rincon Valley USD

Excellence in Education

#### Group Debrief: Feedback for the Teacher-

What were strong points of the lesson, teaching strategies, and/or learner engagement?

- Teacher provided encouraging, immediate, individual feedback to learners, which elicited more engagement
- · Varied evidence gathering opportunities were offered; whiteboards, base ten blocks, whole group, partner, individual work

What we noticed:		What we wondered about:
Teacher	Learner	
<ul> <li>Teacher observed individual learners to gather evidence and provide immediate correction with guidance, but not answers</li> <li>Teacher used questioning strategies, "If you have 50, how many more?"</li> <li>Teacher went over the learning objective with learners</li> </ul>	<ul> <li>Learners were self-monitoring their own learning by checking their work on the mini whiteboard, so not all the responsibility was on the teacher</li> <li>Learners "Chin It" with whiteboards to show their understanding- this provides accountability for each learner</li> <li>Learners helping one another out - the Teacher's strategic partnering allowed for this</li> </ul>	<ul> <li>Curious why they did the quick tens first (more abstract) before base 10 blocks (more concrete)?</li> </ul>

#### Self-Reflection

What I'm thinking about or considering for my own practice:

• Teacher provided affirmation to learners when they help one another - this builds class culture to be a safe place to take risks







1

### Walkthrough Debrief Notes- Overall Trends



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Walk-Through Participant Names: Whited Teachers, Beth Acosta, Hilary Kjaer

Grade Level(s): K, 1, 3, 4, 5

Date: 2-8-24

#### Group Debrief: Patterns/Trends Across Classrooms

#### What we noticed:

- · Learning goals were posted and then referred to by the teachers
- Teachers provided a lot of response opportunities; gestures, thumbs up, partner talk, choral responses
- Teacher provided encouraging, immediate, individual feedback to learners, which elicited more engagement
- The addition of video and songs for engaging learners and checking for understanding
- Teachers were walking around and checking in with learning partners as they talked
- Learners had a great sense of ownership to tasks when they had choice in the numbers, created their own story problems, and/or used their own names

#### What we wondered about:

- What cues might we consider for learners that are done with their thinking early how do we redirect/prompt them to continue thinking?
- Wait time how do we know that we have given learners enough time? When is it too much? Not enough?

#### Considerations for next steps or actions:

- We learned some new ways that we can offer learners to take more ownership in the assessment and feedback cycle and share their understanding; Show a scale of confidence with their hands/arms, use Brains and Scribes during partner work
- When we encourage learners to "use their tool/resources" it allows teacher to understand where they are in their learning, based off of what they select to use
- Provide affirmation to learners when they help one another this builds class culture to be a safe place to take risks
- Find ways for learners to self-monitor their own learning (i.e. by checking their work with the teacher's work on a small whiteboard) so not all the responsibility is on the teacher





# Measuring Improvement and Impact







# **Our Tools**







Learner Survey Teacher Survey Walkthrough Protocol

# Learner Survey

### Noticings

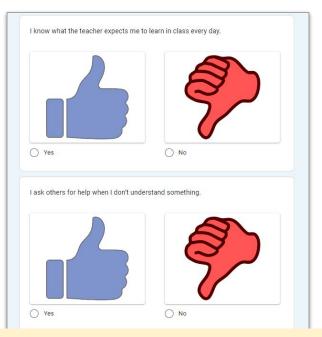
- Learners discuss multiple strategies for solving problems
- Learners overall feel very positive about the math instruction that they receive from their teachers (<u>Halo Effect</u>?)
- Learners do not self-assess or assess the work of their peers often

### Wonderings

- What kinds of strategies are discussed in the classroom, and whether the strategies discussed are put into use, or just talked about?
- How are learners getting feedback from peers?
- What kind of formative assessment is happening in the classroom?







### Learner Surveys

- Grades 3-4: <u>bit.ly/rvusd-34survey</u>
- Grades 5-6: <u>bit.ly/rvusd-56survey</u>

## **Teacher Survey** Takeaways

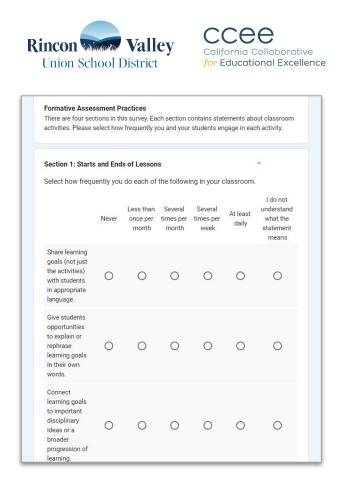
### Noticings

• Learning goals and success criteria at the starts and ends of lessons and peer/self reflection are areas with lower reported use

### Wonderings

- How are teachers interpreting the formative assessment information?
- What instructional actions do teachers take after collecting the formative assessment information?
- How effective are the instructional adjustments/changes in relation to improving student learning in mathematics?

## Teacher Survey: <a href="http://www.bit.ly/rvusd-tsurvey">bit.ly/rvusd-tsurvey</a>







## Walkthroughs Takeaways

### Noticings

- Most teachers used learning objectives
- Learners explaining thinking, but teacher-centered approaches
- Academic language woven in
- Partner talk

### Wonderings

- How could could peers explain to others, shifting focus from teacher to learner?
- How can we leverage academic language to develop understanding together?

## Walkthrough/Reflection Protocol: <u>bit.ly/rvusd-walkthrough</u>

Walk-Through Partici	-		
Teacher Name:	Rincon Walley		
Date & Time In/Out:		Group Debrief: Feedback for the Teach	er
Focus of the Observat	What were strong points of the lesson, teaching strategies, and/or student engagement?		
□ Start of Lesson			
<ul> <li>End of Lesson</li> <li>Eliciting Evidence</li> </ul>			
Understanding			
Notes on	What we noticed:		
doing: ca	Teacher	Student	What we wondered about:
language :			
	Self Reflection: What I'm thinking a	bout or considering for my own practice	





## **Teacher Action Plans**

The purpose of this document is three-fold:



To record reflections, learnings, insights, and questions that might arise during any of the learning community meetings



To **track action plans** over the course of the year



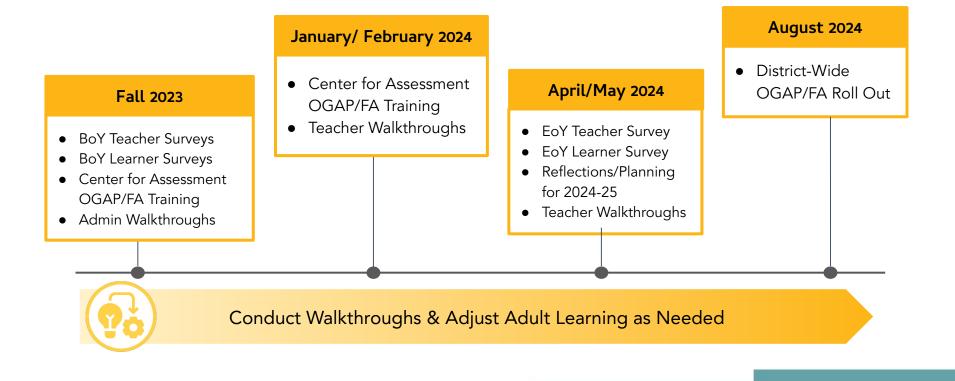
To **note any feedback** you get when you share how things have been going as you implement formative assessment practices in your classroom or to note ideas that you want to try based on what others have shared or you observed during walkthroughs

Oct 19 (with	Reflections on Last Month's Action Plan & Walk-Throughs. Read back
CfA)	through your action plan from last month. How did it go in your classroom? What worked well? What was challenging? What might you modify? What are you still pondering or thinking about from recent walk-throughs (as applicable)?
	I tried
	My plan was to have my students give more peer feedback. I noticed that my students more commonly give positive feedback than criticisms. They also seem to need more practice with this because they often use the same phrases when giving feedback. I need to practice using various sentence frames with them for verbal and written feedback.
	Comments to remember from my peers Make sure students know the vocabulary in the targets and success criteria.
	Reflections on Starts and Ends of Lessons or the Learning Progression:
	One thing that squared with my thinking It made me feel good today when I realized I am doing a lot of what the instructor in the video shared with us. I have a section on my wall for Learning Intentions and I go over those learning targets and success criteria with my students. Sometimes I also shrink the success criteria down and have them put them in their journals.
	One thing I am circling around in my mind I liked the idea of students coming up with their own success criteria, as opposed to following a list already made.





# Measuring at a Glance



# Systems-Level Considerations







## **Systems** How do we achieve "buy-in"?



Alignment to current initiatives



Urgency around the current reality – an authentic "Why"



Know where people are



Anticipate & eliminate barriers



Leadership capacity, ownership, and commitment



Ongoing professional learning cycle to maintain momentum





## Scaling the Work Reflections and Implications for 2024-25

### Intention

- Leveraging the learning from this year as springboard for next year
- Develop common language and understanding
- Continued partnership with CCEE & Center for Assessment

### Reality

- Remaining limber to align with a shift in initiatives
- Considering logistical obstacles (subs, scheduling)
- Continued partnership with CCEE & Center for Assessment

# Questions







# **Thank You**

## Contact

Hilary Kjaer Director of Teaching & Learning, RVUSD hkjaer@rvusd.org

Tasha Lopez Continuous Improvement Specialist, TOSA tlopez@rvusd.org

## **Next Steps**

Interested in connecting further? Join us for the **Special Interest Group (SIG) Session** by providing your contact information in the feedback survey!

Feedback Survey: www.surveymonkey.com/r/OD-326





# **Upcoming Open Door Sessions**

### The Power of Data Partnerships: District Data Sharing Through the Local Assessment Project

- Tuesday, 4/9 from 3-4pm
- Registration link: <u>bit.ly/3VxkzHs</u>

San Bernardino CSS shares how they tackled the critical challenge of improving student progress tracking in reading and math. Discover how they identified the gaps in their local assessment data and how they initiated the Local Assessment Project to fill this void.

### Strengthening Coherence Across Initiatives: A Whole-Child Lens

- Wednesday, 4/10 from 3-4pm
- Registration link: <u>bit.ly/3PpEaW6</u>

We often hear a focus on "whole-child" in the California education conversation... but what exactly does it mean? And how can all these different initiatives create a coherent approach in schools? This session highlights the common, mutually-reinforcing whole-child practices across California initiatives, shares best practices from districts, and provides tips for taking action towards coherence.