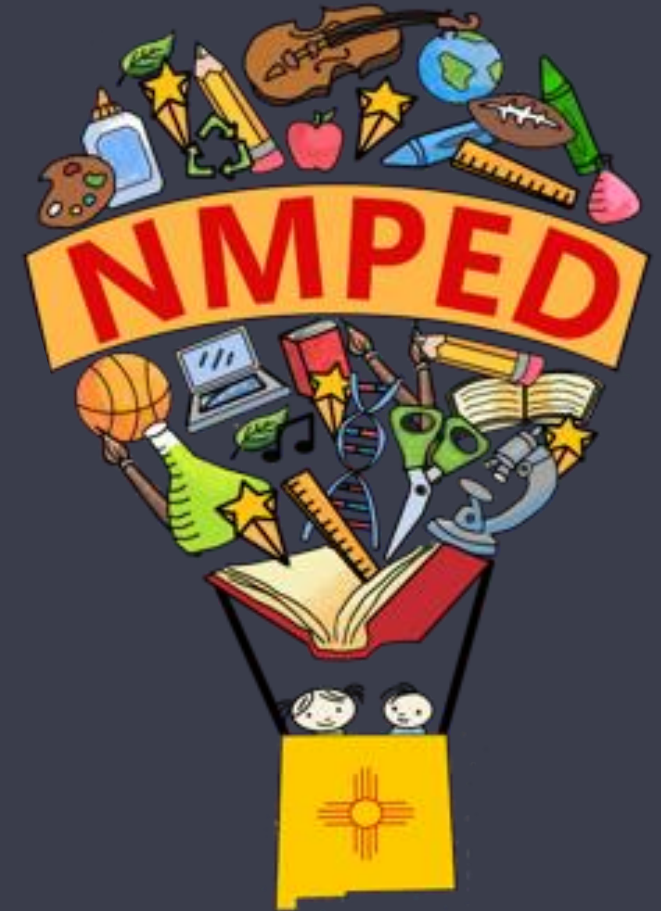


# Building STEM Partnerships

*Yanira Vazquez, Director  
Math and Science Bureau*

*Investing for tomorrow, delivering today.*

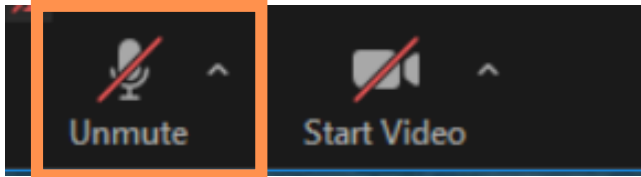


Curriculum &  
Instruction  
Convening

December 2, 2020

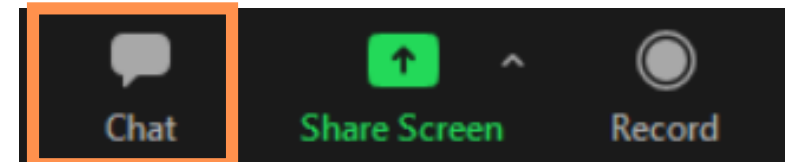
# Participating in a session

- Your microphone may have been muted by the Host. This is to prevent background noise and other unwanted sound.
- Microphone and camera controls are located in the lower left corner of the Zoom screen.



- In smaller meetings, you may wish to unmute your microphone (if allowed). If you do so, please mute yourself when done speaking.

- Chat is the preferred way to communicate with the Host, as it is less disruptive and allows you to post thoughts and questions as they arise, versus waiting for an opportune time to interrupt the speaker.
- The chat window can be accessed by clicking the Chat icon at the bottom of the Zoom screen.

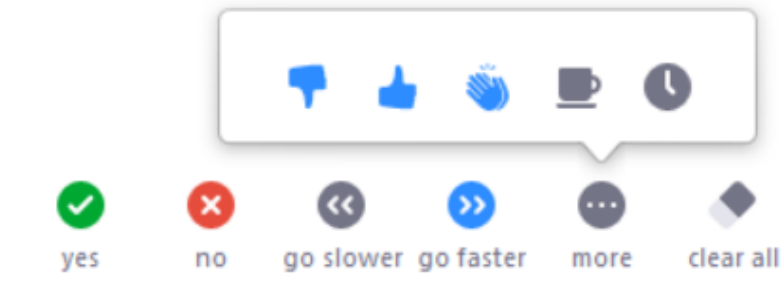


# Participating in a session (*cont.*)

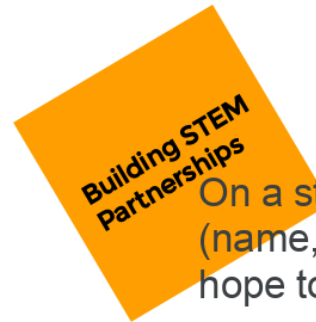
- The Participant icon allows non-verbal communication.



- Clicking the Participant icon opens the Participant window to see all participants and access these buttons at the bottom of the Zoom screen.



# Who is in the “Room”?



On a sticky note, introduce yourself (name, district) and note one thing you hope to takeaway from today's session.

# Goals

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- Identify ways to strengthen STEM partnerships to support district initiatives in mathematics, science and K–8 computer science
- Learn how the Math and Science Bureau (MSB) can help provide high-quality professional learning (PL) to district groups or teams.

# Mathematics Reentry RFA

- Professional learning for PreK–12 school teams leveraging HQIM, pedagogy and formative assessment.
- District/school teams apply for any combination of professional learning to enhance using:
  - Canvas with HQIM for K–12 math
  - NMIS-M for reentry and acceleration
  - Early numeracy (leveraging the NMIS)
  - Effective formative assessment (leveraging the NMIS-M and district's HQIM)

# Mathematics Reentry RFA

- Eight (8) hours of PL per month, January to May
- Combination of synchronous/asynchronous time
- Receive up to \$300 stipend

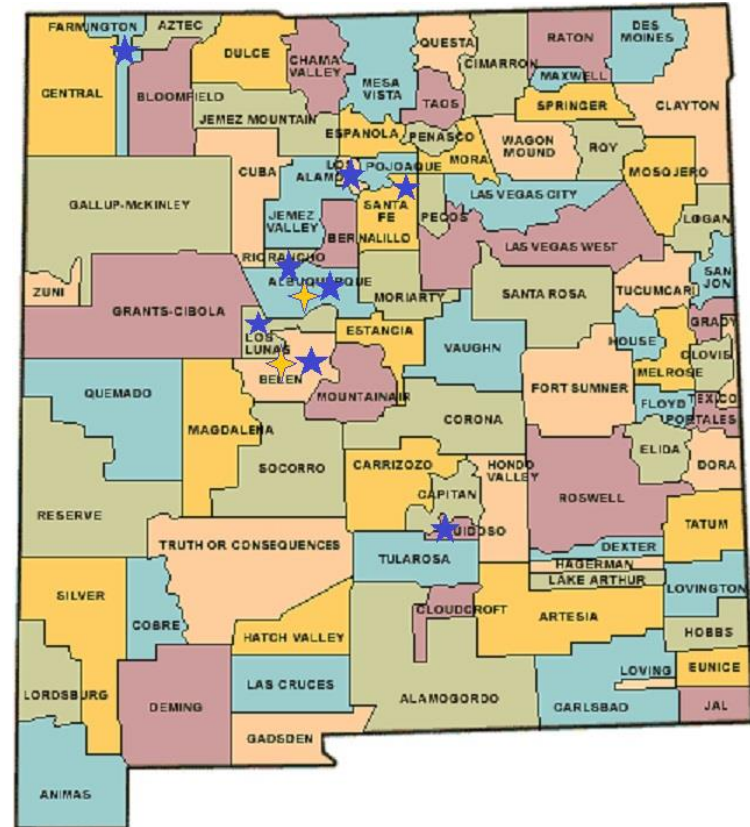
To learn more and apply:  
[visit the RFPs, RFIs, and RFA page](#)

Deadline is December 11, 2020

# OpenSciEd

## *Middle School Field Test*

- Collaboration with 10 states (including NM), Carnegie Corporation, BSCS, Northwestern, Boston College
  - Designed for NGSS
  - Aligned with integrated course map
- 13 school districts, 2 state charter schools, 29 teachers, 3 years
- Revised units have all received the Achieve Badge for high quality instructional materials

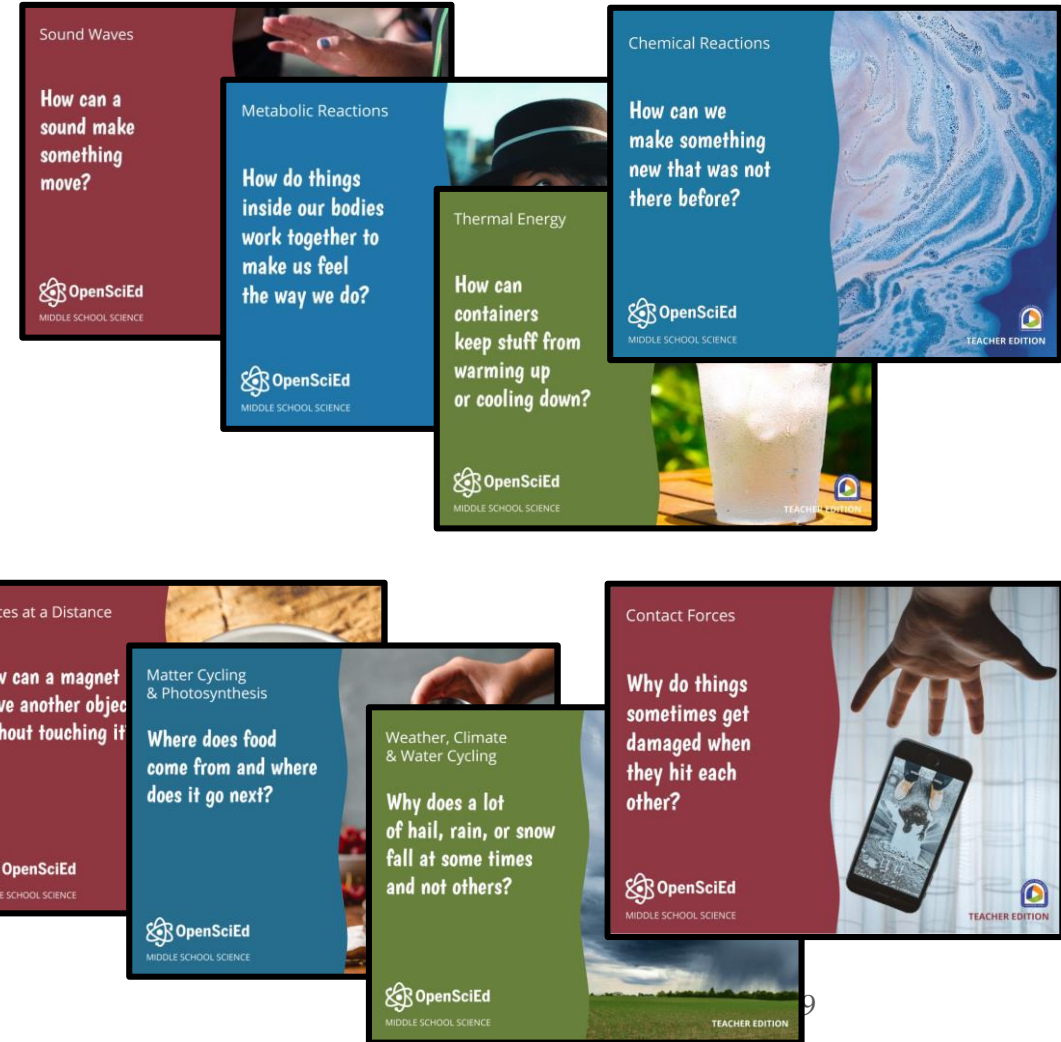




# OpenSciEd

## *Middle School Field Test*

- The middle school field test is in the final year, resulting in:
  - Eight units release for public consumption, freely available
  - Professional learning materials freely available
- MSB can lead and partner with districts to provide virtual professional learning on:
  - High Yield Instructional Routines
  - Overview of Unit(s)



# OpenSciEd

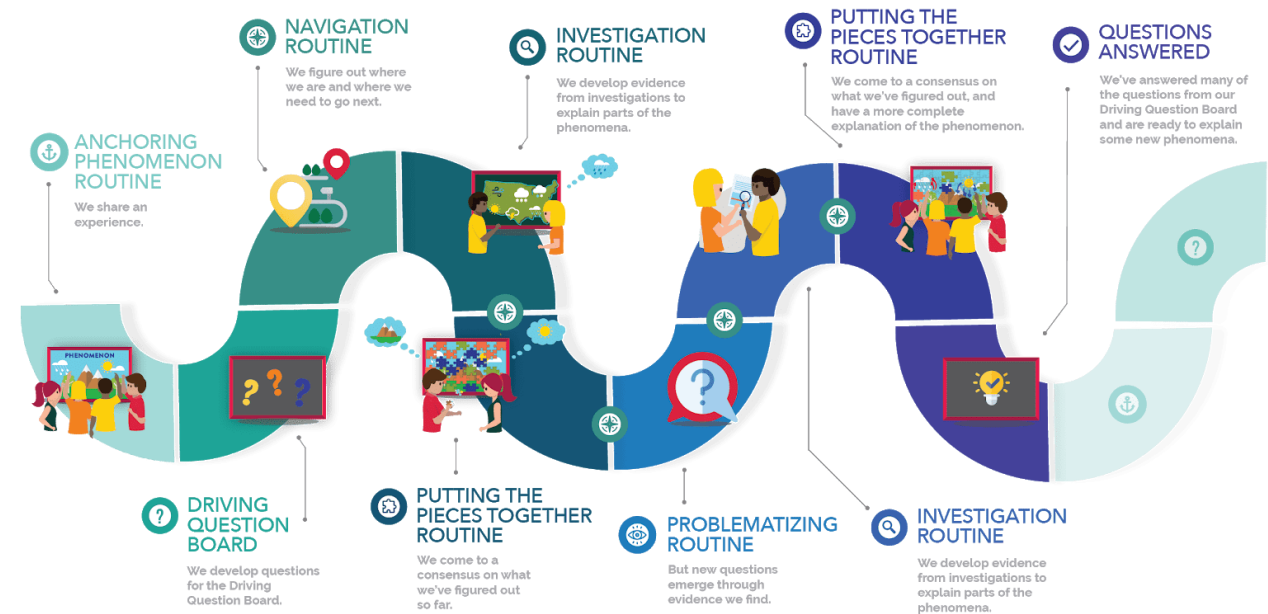
## *Middle School Expansion*

- Look for opportunities to be part of the middle school expansion in New Mexico.
- Middle schools wishing to participate will receive free professional learning aligned to the instructional materials.
- Materials are aligned to the NM Middle School Integrated course map
- Launching Summer 2021

# OpenSciEd

## *High Yield Instructional Routines*

- Canvas course for C&I personnel, instructional coaches, educators
- Goal: Provide PL on high yield routines with a specific focus on using OpenSciEd routines to support equitable remote/interrupted instruction and to enhance classroom assessment.
- Mixture of synchronous and asynchronous sessions
- Enrollment opens in January 2021



# OpenSciEd

## *High School Field Test*

- Starts Fall 2021
- Goal: To field test high quality units designed for the NGSS.
  - Aligned to the Domain Specific High School map (Biology, Chemistry, Physics)
- MSB will partner with districts to
  - Provide professional learning for field test teachers
  - Purchase field test unit kits and provide field test teacher stipends
- An informational webinar and RFA will be released in February 2021

# Computer Science (K–8)

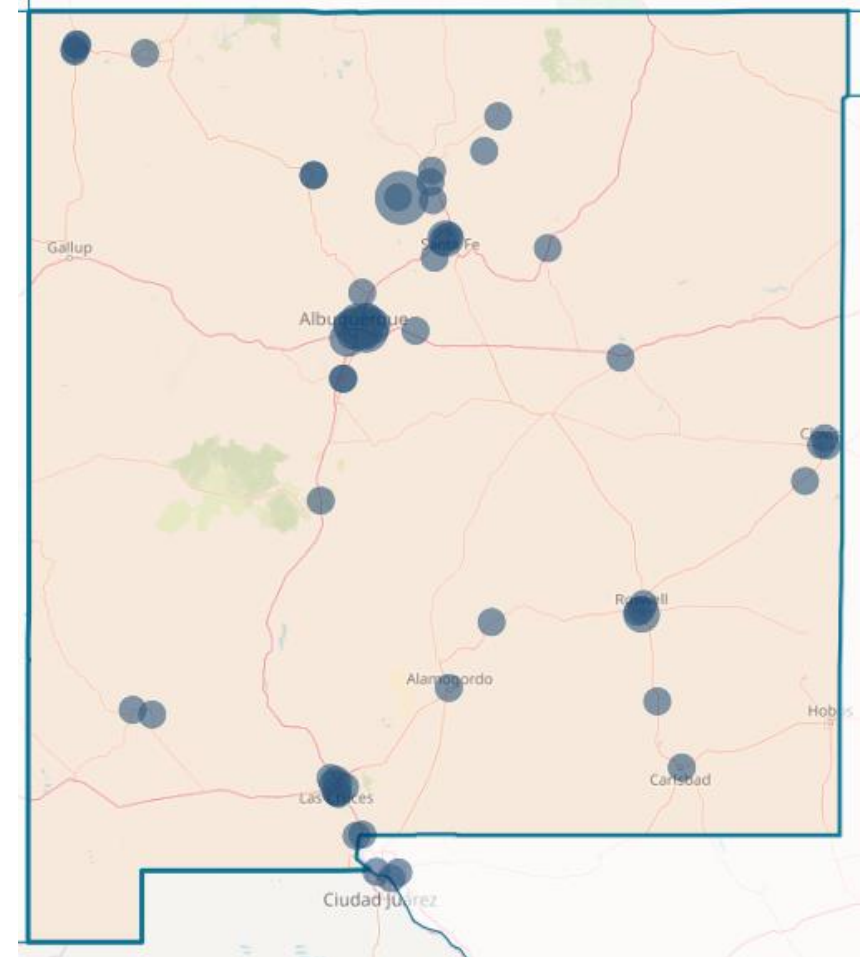
- Computer Science Taskforce
  - A diverse group of New Mexican stakeholders, appointed by the Governor, working to develop a strategic framework for the state.
- CS Requests for Application (RFA)
  - Promotes innovation in the critical area of computer science by expanding access to high quality computer science to New Mexico students.
  - Look for the next application in late summer 2021.

# Math and Science Advisory Council (MSAC)

- Influence the conversation and decisions concerning STEM education
- Geographic and stakeholder representation and perspectives are key
- Commitment to serve on the advisory council:
  - Four year term
  - Attend quarterly meetings
  - Independent and collaborative work between meetings
- [Applications available on the MSAC webpage](#)

# Presidential Award for Excellence in Mathematics and Science Teaching (PAEMST)

- Current cycle nominations for Grades 7–12 science, technology, engineering mathematics and/or computer science teachers
- Nomination deadline is March 1, 2021
- Application deadline is April 1, 2021



# Questions?

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# Thank You!

**Yanira Vazquez**, Director, Math and Science Bureau

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