

Mathematically Connected Communities

This session will be recorded and available at <https://mc2.nmsu.edu/>

Welcome! Please introduce yourself in the chat box by writing your name, your district, and your role in the education sector.

Purposeful Reentry and Adapting to Change

August 12, 2020
5:00-6:10 pm

About MC²



Mathematically Connected Communities is:

- A partnership of dedicated math educators, including teachers, mathematicians, researchers, and school district administrators, working collectively to improve mathematics learning for K-12 students across the state of New Mexico
- Initiated with funding by the US Department of Education/ Math-Science Partnership (MSP), the NM Public Education and Higher Education Departments (PED and HED), and Title II funding by districts to strengthen the quality and effectiveness of teachers, principals, and other school leaders

Mathematically Connected Communities (MC²) works to improve mathematics education through a variety of professional learning experiences which align to the New Mexico Public Education Department's (NM PED) reentry guidance.

Four Live Web-based Sessions

1. Awareness and Information: Purposeful Reentry and Adapting to Change
2. Unpacking Important Mathematics Reentry Documents
3. Structuring Accelerated Learning in Reentry
4. The Importance of Models in Developing Fluency



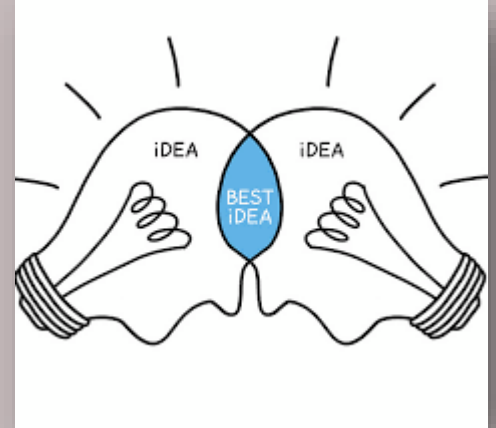


Zoom Poll
Results!

Norms for Breakout Rooms

We will have 10 minutes in breakout rooms to think, share, and discuss. In exploring today, what are the norm(s) you will take with you?

- Invite participation by using names
- Honor individual thinking and learning time
- Ask questions
- Expect to share
- Reflect on where you want to grow



Purposeful Reentry: Know and Grow

In the overview of each of the grade/course Instructional Scope document is a section on [Culturally and Linguistically Responsive Instruction](#).

Read through this section and reflect with your breakout room on the following:

- What aligns with what I already know?
- Where do I want to grow?



Standards Based Learning Environment (SBLE)

1

Ice Breaker/Team Builder

Supports: Mathematical identity, confidence, supportive learning environment, **discourse**, resiliency, positive mindset

2

Mindset

Supports: Positive Mindset, challenges absolutes, praises processes over ability, **discourse**

3

Norms

Supports: Classroom culture, equitable participation, engagement, establishment of a positive **classroom** climate, **discourse**

4

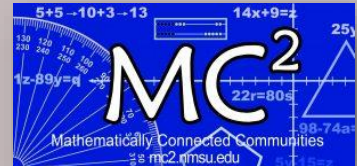
Do Rich Math

Supports: Assessability, multiple approaches, multiple representations, collaboration, **discourse**, engagement, curiosity, and creativity

5

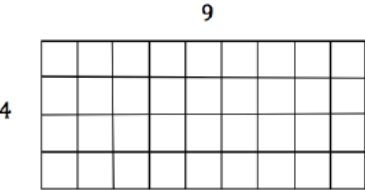
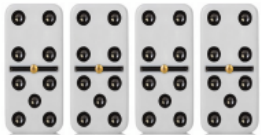
Reflection

Supports: Communication, reasoning, retention, synthesis, assessment and evidence of understanding, written **discourse**



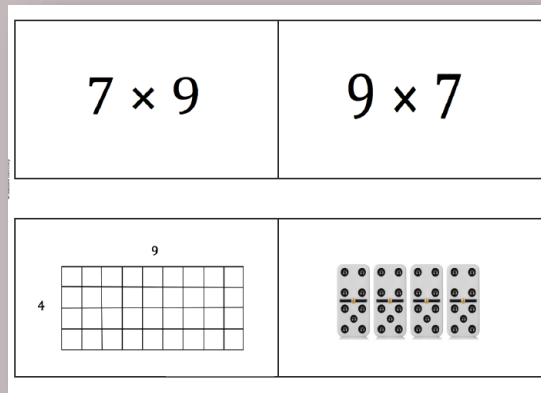
Math Cards

1. Introduce yourself to your breakout room.
2. Have one participant connect with Desmos and share screen so that you can work collaboratively in your breakout room.
3. Be mindful of the norms established.
4. Be ready to share out!

7×9	9×7
	

DESMOS LINK TO ACTIVITY:

<https://student.desmos.com/join/fp8tab>



1. What was engaging for you? (*and how do we replicate that with our kids?*)
2. What is the important mathematics students are engaging in with this?

SBLE and Purposeful Reentry

Reentry Plans

Culturally
Responsive

Instructional Scope

Priority Content/
Acceleration

HQIM/Standards
Aligned



SBLE

*Fosters Mathematical
Identity, Supportive
Learning Environment,
Positive Mindset*

*Rich Math Tasks and
Reflection*



→ **Effective
mathematical
teaching and learning**

→ **Student engagement**

5 Purposes of Professional Learning

- Developing Awareness
- Building Knowledge
- Translating New Knowledge into Practice
- Practicing
- Reflecting Deeply

Loucks-Horlsey, S

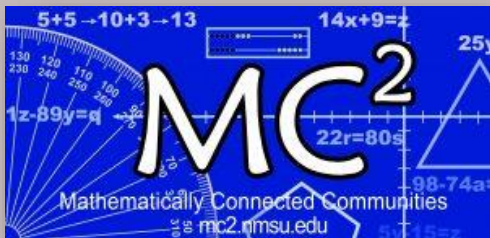
Four Live Web-based Sessions on Purposeful Reentry

1. Awareness and Information: Purposeful Reentry and Adapting to Change
2. Unpacking Important Mathematics Reentry Documents
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Instructional Scope for Mathematics (Where to Start):

<https://docs.google.com/document/d/1qvJwgji5ZUi1PZjhOubbZPUDWs6nkDRBK0i0YmOkkb0/edit?usp=sharing>

Thank you!



Link to MC² Website:

<https://mc2.nmsu.edu/>

Link to MC² Professional Learning:

<https://mc2.nmsu.edu/pd/>

Link to MC² Contact Page:

<https://mc2.nmsu.edu/about-us/contact-us/>

How to Register for Web Sessions

- Register in learning pairs through the **MC² website**
- Registration will open the **Thursday** before the event
- Events will start at 5:00 pm unless otherwise noted on the registration form

Mark your calendars:

- August 26
- September 9
- September 23