



US MATH RECOVERY COUNCIL® 2020 CONFERENCE
At The Heart of Math Recovery® | Inspire & Empower Numeracy Education

October 26 - 29, 2020

Hyatt Lodge | Oak Brook, IL

www.mathrecovery.org/2020-national-conference

PRE-CONFERENCE SCHEDULE – Subject to change (1/27/2020)

Day 1 * PRE-CONFERENCE * Monday, October 26, 2020

7:00 a.m. – 10:00 a.m.	Registration/Information Desk
7:30 a.m. – 8:30 a.m.	Breakfast
8:30 a.m. – 3:30 a.m. (Full Day Session)	Morning Sessions <ul style="list-style-type: none">• <i>Linking Fraction Intervention to Add+VantageMR® through Units Coordination: A trajectory for instruction</i> (Full Day), by Christy Lyle Prerequisite: AVMR Fractions<ul style="list-style-type: none">❗ As we attempt to move students through the constructs on the Model for the Development of Fractions Concepts, what does that look like in a practical sense? Following Steffe’s reorganization hypothesis, by building student strengths and units coordination in whole number, specifically in higher decade addition and subtraction and multiplication/division, we support the move into fractional thinking. Consider excerpts from a series of recorded lessons with two 3rd grade students as we work to move from a part/whole model to the measurement world of fractions, ever mindful of the supporting concepts and skills necessary for this transition. Building upon what was learned through the intervention, we will deepen our understanding of units coordination leading to an effective teaching skill leading to student understandings.
8:30 a.m. – 11:30 a.m. (AM Half Day Sessions)	<ul style="list-style-type: none">• <i>The Power of Arguments and Generalizing</i>, by Dee Swanson, Lori Loehr & Marria Carrington Audience: All Attendees<ul style="list-style-type: none">❗ Mason et al (2007:42) challenges us as teachers with the dictum ‘a lesson without an opportunity to generalize is not a mathematics lesson’ (Developing Number Knowledge, pg. 19). Many elementary classrooms are challenged with applying the Theme of Mathematizing: Generalizing. In this pre-session, we will explore the research presented in "But Why Does It Work? Mathematical Argument in the Elementary Classroom" by Susan Jo Russell, Deborah Schifter and colleagues. We will consider a whole group, Add+VantageMR® teaching model that supports students to make mathematical arguments in the elementary classroom. Participants will engage in mathematical activities to unpack standards that lend themselves to making generalizations in math. We will also make connections to the Standards for Mathematical Practices, and of course, view videos of students engaged in the work!





8:30 a.m. – 11:30 a.m.
Pre-Conference cont.
(AM Half Day Sessions)

- *Creating Pedagogical Engineers: Tinkering with Instruction to Meet the Needs of All Students*, by Dina Mendola & Mollie Gabrielson

Audience: All Attendees

i An engineer is a person who is trained and skilled in the design, creative construction, and use of knowledge to improve upon what already exists. The same is true in education! In courses, we often hear the concern of, "How am I going to do another thing?" In this session we will discuss and explore ways to shine a Math Recovery® lens on any curriculum resource or activity and create constructive ways to tinker with instruction in order to meet the needs of all students.

- *Ensuring Sustainability Through Purposeful Evaluation*, by Pamela Tabor, PhD

Audience: All Attendees

i Every Student Succeeds Act (ESSA) of 2015 mandates that all professional development funded via Title II funds be evidence-based and part of a plan of continuous improvement. Program impact evaluations should be normative in all program implementations. The morning session will present principles of evaluation based on Joellen Killion's *Assessing Impact: Evaluating Professional Learning* and other resources. Model evaluation plans and templates will be shared. Participants will be encouraged to share their evaluation successes and challenges during an interactive discussion. Participants may select the optional afternoon interactive work session in which principles will be applied to draft an evaluation plan specific to the participant's district.

- *An Inquiry-Based Approach to Structuring Numbers to 20: From Early Structuring to Facility with Addition & Subtraction Basic Facts*, by Sherry Thompson & Kate Anderson

Prerequisite: MRIS, MRSp1 Certification

Audience: MRIS, MRSp, AVMR Champions, MR Leaders

i This pre-conference session will explore an instructional progression that begins with Early Structuring and ends with facility with the basic facts. We will focus heavily on questioning and prompts that move away from telling and showing to actively engaging the student in inquiry mode.



8:30 a.m. – 11:30 a.m.
Pre-Conference cont.
(AM Half Day Sessions)

- *Going Beyond the Assessment Schedules: Assessing students within classroom instruction*, by Melissa Goodacre & Amy Scheff
Audience: All Attendees

i In this session participants will have the opportunity to deepen their knowledge of the Add+VantageMR® (AVMR) models and sharpen their skill of ongoing assessment within their classroom. It is the goal of this session to expand teachers' knowledge of the learning framework and AVMR models in order to allow them freedom to assess students beyond the confines of the AVMR assessments. Teachers will engage in video observation of regular lessons and analysis of where students are within the LFIN and models.

- *Facilitating Professional Learning Communities: Primary*, by Laurie Karl, Andrew Potter & Sarah Helmer
Audience: Primary District Administrators, Building Leadership, AVMR Champions, MR Leaders

i This session will share ideas from our district Professional Learning Communities (PLCs) in West Fargo, ND. We will show how we use Math Recovery® data and the Learning Framework in Number to empower teachers in planning lessons to advance their students current level of thinking. Video will be used to highlight the different collaborative aspects between grade level teams, math specialists, and administration in a PLC. This session will be focused on supporting teachers of primary-aged students. Participants will be given time to collaborate on implementing PLCs their own district or school.

11:30 a.m. – 12:30 p.m.

Lunch

12:30 p.m. – 3:30 p.m.
(PM Half Day Sessions)

Afternoon Sessions

- *The Power of Arguments and Generalizing (Repeat of AM)*, by Dee Swanson, Lori Loehr & Marria Carrington
Audience: All Attendees

i (See abstract from the morning session)

- *Interactive Work Session: Designing Your Evaluation Plan*, by Pamela Tabor, PhD
Audience: Attendees from AM Session

i Participants will work collaboratively or individually to design their own impact evaluation plan specific to their school or district in a supportive environment.



12:30 p.m. – 3:30 p.m.
Pre-Conference cont.
(PM Half Day Sessions)

- *Instructional Coaching: Developing Critical Learning Behaviors*, by Sherry Thompson & Mollie Gabrielson

Audience: Math Leaders, Math Coaches, AVMR Champions, MR Leaders

i This pre-conference session will explore the nuances of working with adult learners. We will identify critical learning behaviors and discuss individualizing feedback to match learning preferences.

- *Facilitating Professional Learning Communities: **Intermediate***, by Laurie Karl, Andrew Potter & Sarah Helmer

Audience: **Intermediate** District Administrators, Building Leadership, MR Leaders, AVMR Champions

i This session will share ideas from our district Professional Learning Communities (PLCs) in West Fargo, ND. We will show how we use Math Recovery® data and the Learning Framework in Number to empower teachers in planning lessons to advance their students current level of thinking. Video will be used to highlight the different collaborative aspects between grade level teams, math specialists, and administration in a PLC. This session will be focused on supporting teachers of intermediate-aged students. Participants will be given time to collaborate on implementing PLCs their own district or school.

- *Math Recovery® Awareness Session (complimentary)*, by Math Recovery® Staff

Audience: New to Math Recovery®, District Administrators, Building Leadership

i This session is for attendees who do not have prior Math Recovery® training or experience and would like to explore more information on Math Recovery® professional development. The session will provide a complete overview of our courses, focusing on history of development, course layout, mathematical topics, learning goals, intended audiences, hosting a course, expected participant commitments and other areas of Math Recovery® interests. There will be time for questions and answers throughout the session.



2-Day CONFERENCE SCHEDULE – Subject to change (1/27/2020)

Day 2 * 2-DAY CONFERENCE * Tuesday, October 27, 2020

6:30 a.m. – 10:00 a.m.	Registration/Information Desk
6:45 a.m. – 7:40 a.m.	Breakfast
8:00 a.m.- – 8:45 a.m.	Welcome; Educator Award Presentation
8:45 a.m.- – 10:00 a.m.	Keynote Speaker
10:20 a.m. – 11:30 a.m.	Breakout Sessions (8 Sessions)
11:30 a.m. – 12:30 p.m.	Lunch
12:30 p.m. – 1:40 p.m.	Breakout Sessions (8 Sessions)
2:00 p.m. – 3:10 p.m.	Breakout Sessions (8 Sessions)
3:30 p.m. – 4:30 p.m.	Author Book Signing
3:30 p.m. – 4:30 p.m.	Instructional Activity Showcase; Leadership Presentation
5:00 p.m. – 6:00 p.m.	Possible Fun Run

Day 3 * 2-DAY CONFERENCE * Wednesday, October 28, 2020

6:30 a.m. – 10:00 a.m.	Registration/Information Desk
7:30 a.m. – 8:30 a.m.	Breakfast (Program will start at 8:00)
8:00 a.m.- – 9:25 a.m.	Welcome; Annual Membership Meeting
9:45 a.m.- – 10:55 a.m.	Breakout Sessions (8 Sessions)
11:15 a.m. – 12:25 p.m.	Breakout Sessions (8 Sessions)
12:25 p.m. – 1:25 p.m.	Lunch
1:25 p.m. – 2:35 p.m.	Breakout Sessions (8 Sessions)
2:50 p.m. – 4:10 p.m.	Keynote Speaker
4:10 p.m. – 4:30 p.m.	Closing Session



LEADERSHIP SUMMIT SCHEDULE – Subject to change (1/27/2020)

Day 4 * LEADERSHIP SUMMIT * Thursday, October 29, 2020

7:00 a.m. – 7:45 a.m.

Breakfast & General Assembly

8:00 a.m. – 9:00 a.m.

Birds of a Feather

9:15 a.m.- – 12:00 p.m.

Math Recovery® Leadership & Closing Session

More information to come!