

MINI-COURSE SCHEDULE – Subject to change

Day 1 * MINI-COURSE * Monday, April 25, 2022

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 Mini-Courses)	<p>Full Day Mini Courses:</p> <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. Math Recovery® Leader for Math Recovery® Specialist, Part 2 Course, by Kate Anderson & Kurt Kinsey Prerequisite: MRSp1 Course & MRSp2 Course Completion <ul style="list-style-type: none"> Join us for the launch of the Math Recovery Leader for Math Recovery Specialist, Part 2 (MRSp2 Leader) course. We will extend our knowledge of the learning progressions and pedagogical tools for assessment and teaching in the middle number band of the Learning Framework. During this session, you will collaborate with others to build understanding, explore the activities in the rollout of the MRSp2 course, and delve into the theory and content within the Domains of Addition and Subtraction to 100, Early Multiplication and Division, and Multiplicative Basic Facts. This pre-conference session is the beginning of the MRSp2 Leader course in which participants develop the depth of knowledge necessary to facilitate and support a Math Recovery Specialist, Part 2 course. Additional virtual meetings throughout the summer and fall are required as part of the course. To be designated as an MRSp2 Leader, full completion of the course, leader projects and the facilitation of an MRSp2 course are required.





8:30 a.m. – 11:30 a.m.
(Half Day Mini-Courses)

Morning Mini Courses: Monday, April 25, 2022 continued

- *The Power of Arguments and Generalizing*, by Lori Loehr & Marria Carrington

Audience: All Attendees

- 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!

- *Exploring a Trajectory of Subtraction within Instructional Phases: Progressing from Initial Number Sequences to Facile Number Sequences and Beyond*, by Dina Mendola & Mollie Gabrielson

Audience: All Attendees

- Join us as we experience how to recognize and build a vital foundation for future mathematical learning, starting with students’ earliest experiences with backwards sequences and extending into structures and strategies relating to subtraction. In this session, we will work to understand and discover where students currently are at in their understanding and where they are going within the trajectory towards conceptual understanding with subtraction to provide access for all students. We will analyze video to determine student thinking, explore a wide range of supportive tasks, and draw connections across grade level bands for a deeper understanding on how to develop facile subtractive skills and knowledge for all students.

- *An Inquiry-Based Approach to Structuring Numbers to 20: From Early Structuring to Facility with Addition & Subtraction Basic Facts*, by Sherry Hornbacher & Amanda Roble

Prerequisite: MRIS, MRSp1 Certification

Audience: MRIS, MRSp, AVMR Champions, MR Leaders

- This pre-conference session will explore an instructional progression



Morning Mini Courses: Monday, April 25, 2022 continued

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.

- *Going Beyond the Assessment Schedules: Assessing students within classroom instruction*, by Melissa Wilke & Amy Cook

Audience: All Attendees

- ① 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.

11:30 a.m. – 12:30 p.m.

Lunch

12:30 p.m. – 3:30 p.m.
(PM Half Day
Mini-Course)

Afternoon Mini Courses:

- *The Power of Arguments and Generalizing (Repeat of AM)*, by Lori Loehr & Marria Carrington

Audience: All Attendees

- ① (See abstract from the morning session)

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

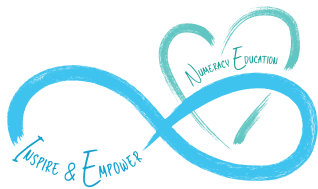
Audience: Math Leaders, Math Coaches, AVMR Champions, MR Leaders

- ① 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.

- *The Best Way Out is Always Through: Getting Unstuck in the World of Repeated Addition and Subtraction*, by Dina Mendola

Audience: All Attendees

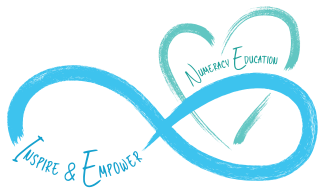
- ① Are your students stuck in the world of repeated addition and subtraction? While the idea of repeated addition and subtraction is certainly a significant part of multiplicative reasoning, the transition from counting-based strategies to multiplicative structuring and



Afternoon Mini Courses: Monday, April 25, 2022 continued

strategies is a crucial driving force towards developing a rich understanding of number relationships and conceptual fluency. Units coordination is instrumental in providing children opportunities to develop structures and ways of seeing mathematical concepts that will build bridges towards developing rich, meaningful, and flexible mental strategies for multiplication and division. Come explore an intentional trajectory of units coordination and prioritizing number relationships in order to develop flexible mental strategy-based approaches which highlight number relationships. The goal is to equip students with a strong number sense foundation that serves as a catalyst for larger values. This progression will provide opportunities to explore fundamental number concepts, deepen math reasoning and encourage strategic thinking.

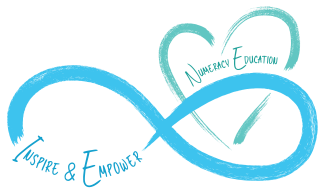
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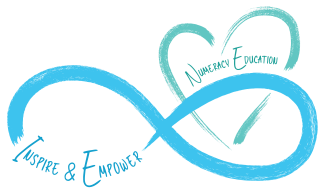
2-Day CONFERENCE SCHEDULE – Subject to change

Day 2 * 2-DAY CONFERENCE * Tuesday, April 26, 2022

6:30 a.m. – 10:00 a.m.	Registration/Information Desk
6:45 a.m. – 7:40 a.m.	Breakfast
7:50 a.m. – 8:00 a.m.	Welcome – USMRC Staff
8:00 a.m. – 8:45 a.m.	Board Chair Address & Educator Award Presentation
8:45 a.m. – 10:00 a.m.	Keynote Speaker: Amy Hackenberg <ul style="list-style-type: none"> <i>Differentiating Instruction for Diverse Mathematical Learners</i>
10:20 a.m. – 11:30 a.m.	Breakout Sessions <ul style="list-style-type: none"> <i>MathRack Developmental Progression</i>, by Lynn Rule <i>Supporting Administrators by Building Capacity</i>, by Julie Holmes <i>Supporting Numeracy throughout the Math Instructional Block – Moving beyond one-on-one and small group instruction</i>, by Erica Beckett & Wendy Wall <i>I'm a Champion! Now What?</i>, by Brad Thornburgh <i>Cross Number Discovery Puzzles & Games</i>, by Dawn Dibley <i>Addressing Unfinished Learning</i>, by Kristin Frang <i>Ready Set Math: Addition & Subtraction</i>, by Andrew Potter & Laurie Karl <i>Co-teaching and Math Recovery®: Meeting the needs of special education student in the general education setting</i>, by Carrie Rzasa , Thuc-Khanh & Susan Whited
11:30 a.m. – 12:30 p.m.	Lunch
12:30 p.m. – 1:40 p.m.	Breakout Sessions <ul style="list-style-type: none"> <i>Differentiating Fractions Instruction</i>, by Amy Hackenberg <i>Implementing a Follow-up Coaching Model</i>, by Mike Vallier & Amy Pratt <i>Math Recovery Roadmap: Detours and Destinations</i>, by Sara Schneeberger, Chelsea Schram, Missy Bruckman, & Kassie Lawhorne <i>Innovations That Make Life Easier for Any Teacher</i>, by Beth Brady <i>Is It Ever Too Late for Math Recovery?</i> by Jenny Lynch & Kim Hagman <i>Meeting Teachers Where They Are: Creating Ongoing Learning Opportunities for a Range of Needs</i>, by Sarah Hopson
	12:30 p.m. Sessions continued next page...

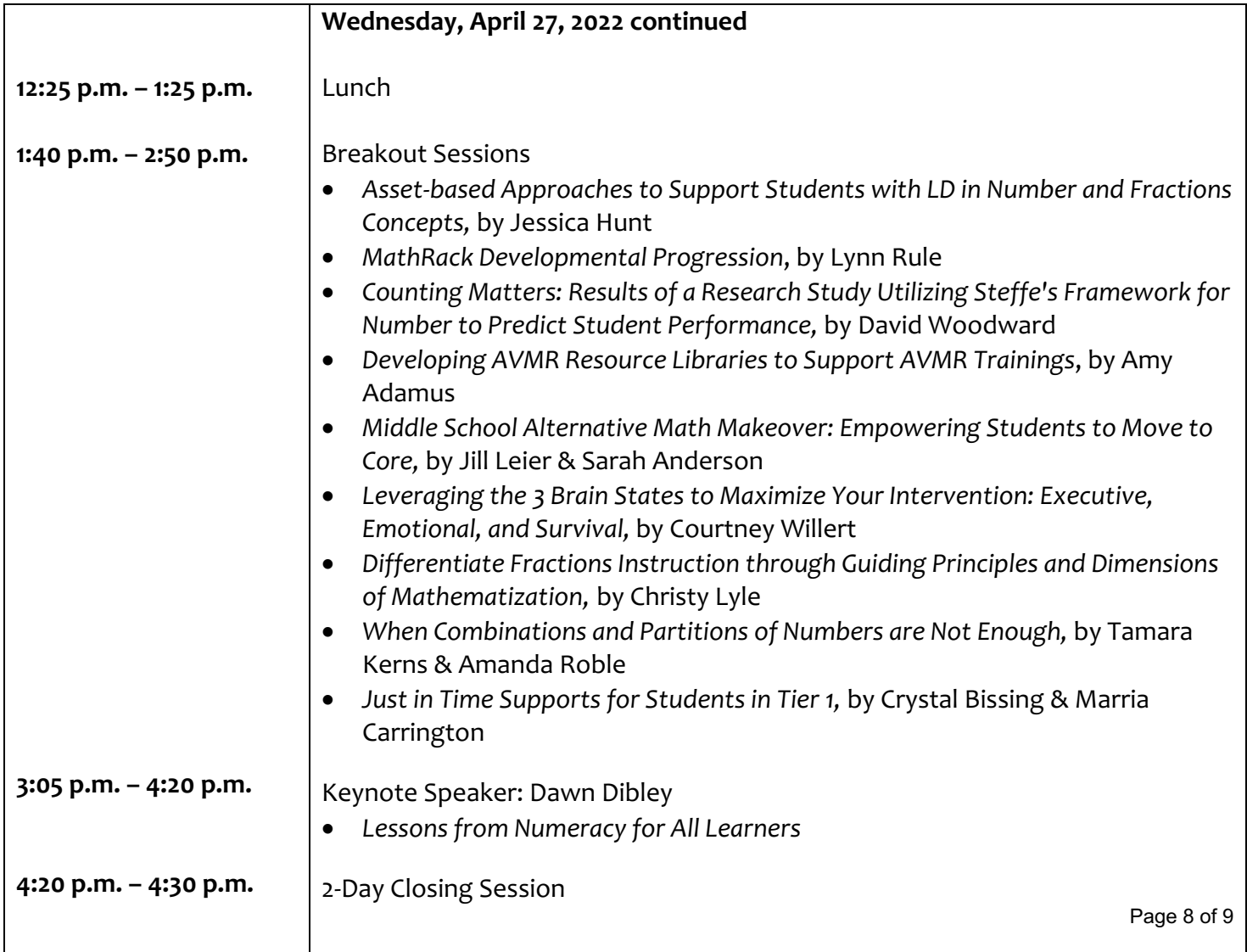


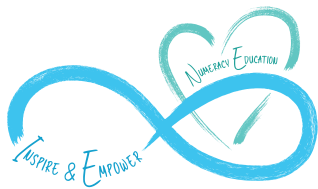
	<p>Tuesday, April 26, 2022 continued</p> <ul style="list-style-type: none"> • <i>Why Is Subtraction So Hard? Building in reasoning through subtractive structures</i>, by Dina Mendola • <i>Exploring the <u>LFIN</u> and <u>Math with Me</u> to Advance the Early Childhood Student</i>, by Kate Anderson & Amy Cook • <i>Ideas on Preparing Administrators to Inspire and Empower after AVMR</i>, by Mike Busch & Marria Carrington <p>2:00 p.m. – 3:10 p.m.</p> <p>Breakout Sessions</p> <ul style="list-style-type: none"> • <i>Summer Math Camp- Learning and fun wrapped into one!</i>, by Meghan Neveau • <i>Math is Not a Spectator Sport, SO LET'S PLAY! Strengthening Partnerships through Family Math Nights</i>, by Shelly Kiteley, Andrea Fletcher, & Christa Burgess • <i>The Dimensions of AVMR Coaching: Our District's Journey</i>, by Rose Palmer • <i>Subitizing and Units Construction Relationships</i>, by Beth MacDonald • <i>Ready Set Math: How Does it Fit?</i>, by Laurie Karl & Andrew Potter • <i>Enhancing My Lessons with AVMR</i>, by Rachel Rogers & Megan Coonan • <i>Is Your Teaching Focused on Conceptual or Conventional Place Value? It Does Make a Difference</i>, by Tonda Thompson • <i>At the Heart of Figurative Thinking: Empowering children to progress from perceptual to figurative counting</i>, by Susan Whited & Thuc-Khanh Park <p>3:30 p.m. – 4:30 p.m.</p> <p>Welcome Reception & Instructional Activity Showcase</p> <ul style="list-style-type: none"> • <i>Sponsored by US Math Recovery Council, SAGE & Corwin Publishing, MathImagine (Cross Number Puzzle), MathRack, & Forefront Education</i> <p>5:00 p.m. – 6:00 p.m.</p> <p>Math Recovery Fun Run/Walk – Meet in Hotel Lobby at 4:45 p.m.</p>
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Day 3 * 2-DAY CONFERENCE * Wednesday, April 27, 2022

6:30 a.m. – 10:00 a.m.	Registration/Information Desk
7:00 a.m. – 8:00 a.m.	Breakfast (Program will start at 8:00)
8:00 a.m. – 9:25 a.m.	<p>Welcome; Annual Membership Meeting & Leadership Presentation</p> <ul style="list-style-type: none"> Christina Miller, Executive Director
9:45 a.m. – 10:55 a.m.	<p>Breakout Sessions (9 Sessions)</p> <ul style="list-style-type: none"> <i>Asset-based Approaches to Support Students with LD in Number and Fractions Concepts</i>, by Jessica Hunt <i>Tool Time: Building a Foundation in Numeracy Using High Quality Tools</i>, by MaryAnn H'Doubler & Andrea Pullan <i>Humanizing Mathematics: How Student Strengths Can Drive Our Instruction</i>, by Wendy Wall & Mimi Hale <i>Students Win: Building and Sustaining Math Recovery Leadership</i>, by Lesley Maxfield & Sharon Leonard <i>What About Division? Where does it fit in the Trajectory? Building Reasoning with Structures and Strategies for Division</i>, by Dina Mendola <i>Feeling Stumped with Small Group Lesson Planning?</i> by Katie Leadbetter & Tamara Kerns <i>Exploring the <u>LFIN</u> and <u>Math with Me</u> to Advance the Early Childhood Student</i>, by Kate Anderson & Amy Cook <i>Analyzing Student Work with Fractions to Inform Instructional Decisions</i>, by Amanda Roble & Christy Lyle <i>Informal Question & Answer Opportunity for Administrators and Decision Makers</i>, by Mike Busch & Marria Carrington
11:15 a.m. – 12:25 p.m.	<p>Breakout Sessions</p> <ul style="list-style-type: none"> <i>At the Heart of our Classroom AVMR Implementation (K-3)</i>, by Margaret Nugent, Colleen Koch, & Carey Jensen <i>Integrating AVMR Fractions into Universal Instruction</i>, by Rose Palmer <i>Culturally Responsive Teaching & AVMR: How AVMR structures can support students from marginalized groups</i>, by Dr. Rachael Mahmood <i>Universally Designing Mathematics Assessments and Instruction</i>, by Jonathan Bostic, Tim Folger, Noah Brown, Emily Evans <i>Considerations When AVMR₁ is Applied with Students with Developmental Disabilities</i>, by Marci Glessner & Tim Harms <i>AVMR with Early Childhood in Mind</i>, by Crystal Bissing & Megan Coonan <i>The Right Setting for the Right Student at the Right Time</i>, by Thuc-Khanh Park & Susan Whited <i>Ready Set Math: Multiplication & Division</i>, by Laurie Karl & Andrew Potter <i>Collegial Learning Through Video Analysis</i>, by Kurt Kinsey – Video





LEADERSHIP SUMMIT SCHEDULE – Subject to change

Day 4 * LEADERSHIP SUMMIT * Thursday, April 28, 2022

7:00 a.m. – 7:45 a.m.	Breakfast
8:00 a.m. – 8:45 a.m.	<i>Elevating Math Recovery® Leadership</i> , by USMRC Leadership Team Audience: Math Recovery Leaders, AVMR Champions & AVMR Fraction Champions
8:45 a.m. – 9:00 a.m.	Break
9:00 a.m. – 9:45 a.m.	Breakout Sessions <ul style="list-style-type: none"> • <i>Math Recovery Coaching Essentials</i>, by Lori Loehr, Kate Anderson, Sherry Hornbacher, & Mollie Gabrielson • <i>From AVMR Courses to Implementation: Using Coaching to Support Teachers</i>, by Katie Leadbetter, Amanda Roble, Thuc-Khanh Park, Susan Whited & Tamara Kerns • <i>Beyond Courses: District Implementation Support</i>, by Kristin Frang • <i>Course 1 & 2 Resources: Virtual Engagement Techniques and Updated Presenter Notes</i>, by Rachel Rogers, Megan Coonan, & Crystal Bissing • <i>Ready Set Math: Question & Answer Info Session</i>, by Melissa Wilke • <i>Math Recovery Dashboard Tour</i>, by Margie Broman & Tonda Thompson
9:45 a.m. – 10:30 a.m.	Mid-morning snack, network, & guest room check out
10:30 a.m. – 11:15 a.m.	Breakout Sessions <ul style="list-style-type: none"> • <i>Math Recovery Coaching Essentials</i>, by Lori Loehr, Kate Anderson, Sherry Hornbacher, & Mollie Gabrielson • <i>From AVMR Courses to Implementation: Using Coaching to Support Teachers</i>, by Katie Leadbetter, Amanda Roble, Thuc-Khanh Park, Susan Whited & Tamara Kerns • <i>Beyond Courses: District Implementation Support</i>, by Kristin Frang • <i>Course 1 & 2 Resources: Virtual Engagement Techniques and Updated Presenter Notes</i>, by Crystal Bissing, Megan Coonan, Rachel Rogers • <i>Ready Set Math: Question & Answer Info Session</i>, by Melissa Wilke • <i>Math Recovery Dashboard Tour</i>, by Margie Broman & Tonda Thompson
11:15 a.m.	Math Recovery® Leadership Networking End of Conference