

## Virtual *Everyday Mathematics* Professional Learning Conference

July 29 and 30, 2024

### Agenda and Session Descriptions

July 29 <sup>th</sup>	Session Title	Description	Audience
<b>Keynote</b> 8:30-10:00 CDT	Beyond the Right Answer: Math Tasks that Promote Agency and Identity	Getting the right answer doesn't always lead to deeper learning. Join us for an interactive session on how to mathematize the atmosphere in your classroom to cultivate curiosity, empower problem-solving, and make math class a place all students know they belong. Leave with some great "wonders" to pose in your classroom and ideas for engaging students in pursuing the math beyond the answer.	All
10:15-11:30 CDT	Essentials of Everyday Math Part 1	Learn about the essentials of <i>Everyday Mathematics</i> ! In this session we will highlight the important practices within the program as well as lesson components, structures, and resources.	New Users of <i>Everyday Mathematics</i> grades K-6
10:15-11:30 CDT	ConnectED for Experienced Users	This digital session is designed to showcase how participants can enhance lesson planning, instructional delivery, family involvement and student engagement with tools such as digital manipulatives, games, data reports, presentations, and more. Go beyond the basics and explore features you didn't know were in ConnectED!	Teachers who have used ConnectED for 1 or more school years
12:30-1:45 CDT	Everyday Mathematics Essentials Part 2	Learn about the essentials of <i>Everyday Mathematics</i> ! In this session we will continue the discussion on all things Everyday Math. This will include structures, games, and flex days.	New Users of <i>Everyday Mathematics</i> grades K-6
12:30-1:45 CDT	Problem Solving in EM: Unlocking Open Response and Reengagement Lessons	In this session, participants will look at one opportunity for student practice with problem solving as they develop a deeper understanding of Open Response and Reengagement lessons within <i>Everyday Mathematics</i> . Focusing on the Standards for Mathematical Practice, participants will work together to solve the Day 1 Open Response Task, evaluate student work samples, and plan for Day 2 Reengagement.	All
12:30-1:45 CDT	The Importance of Tools & Manipulatives in EM	Teachers will explore the purpose of student tools and manipulatives in the <i>Everyday Mathematics</i> classroom. Teachers will also consider systems and procedures to organize their classroom environment to be functional, sustainable, and student-centered by giving visual examples and sharing tips and tricks from classroom experience.	All
2:00-3:15 CDT	Developing Addition Fact Fluency in Meaningful Ways	What does it really mean to be fluent with addition facts? In this session, we will unpack the meaning of fluency and examine a trajectory for how students master their facts. Come explore how intentional use of Quick Looks and games can encourage development of key addition fact strategies, leading to lasting fluency.	All, most relevant to grades K-2
2:00-3:15 CDT	Developing Conceptual Understanding of Fractions Across the Grades	In this session, participants will learn about the themes of fraction content in EM4 and do a deep dive into fraction notation and representation across the grades. Participants will be actively involved in doing and discussing fraction activities from EM4 in breakout rooms and sharing their learnings with each other.	All

July 30 <sup>th</sup>	Session Title	Description	Audience
8:30-9:45 CDT	Developing Multiplication Fact Fluency in Meaningful Ways	What does it really mean to be fluent with multiplication facts? In this session, we will unpack the meaning of fluency and examine a trajectory for how students master their facts. Come explore how hands-on activities, Quick Looks, and games can be used to motivate key multiplication fact strategies, leading to lasting fluency.	All, most relevant to grades 3-6
8:30-9:45 CDT	Play + Math = Serious Learning	Fred Rogers said, "Play is often talked about as if it were a relief from serious learning. But for children, play is serious learning. Play is really the work of childhood." How can we bring more play into the early childhood math classroom? In this session, participants will learn strategies to enhance <i>Everyday Mathematics</i> lessons to be more playful and engaging while meeting the objectives of the lesson.	Most relevant for grades K-2
10:00-11:15 CDT	Assessing Basic Fact Fluency in Meaningful Ways	Math anxiety and avoidance often stems from timed testing of basic facts. In this session, we will explore alternative approaches for assessing fact fluency that are low stress and generate far more reliable data on exactly where children are on their journey towards fact mastery. Note: Please plan to attend one of the sessions on developing fact fluency (addition or multiplication) before attending this session.	All
10:00-11:15 CDT	Increasing Student Ownership through Flexible Implementation Structures	Why is student ownership important in a math classroom? How can we better respond to the needs of our students? In this session, we will explore several implementation structures (math workshop, etc.) to support student ownership in their own learning.	All
12:15-1:30 CDT	Opening the Door to Individual Math Success: Differentiation Resources and How to Use Them	Uncover resources that transform a math classroom to meet the needs of a range of learners! Participants will explore differentiation resources embedded in <i>Everyday Mathematics</i> then collaborate to apply those resources to various classroom scenarios based on common grade level content.	All
12:15-1:30 CDT	Problems to Solutions: Supporting More Effective and Meaningful Problem-Solving	In this session, participants will explore various opportunities for routine and non-routine problem solving in <i>Everyday Mathematics</i> . We will discuss challenges that students face and share problem-solving strategies to support students as they make sense of and solve problems.	All
12:15-1:30 CDT	Developing Computational Algorithms in Meaningful Ways	In this session we will discuss some of the problems and pitfalls with teaching students traditional, or "standard" algorithms. We will examine how EM intentionally introduces and sequences reasoning strategies and alternative algorithms to build a strong conceptual understanding of operations and to set students up for success when they learn the traditional algorithms.	All
1:45-3:00 CDT	I've Assessed. Now What?	In this interactive session, participants will explore opportunities for assessment in EM, discuss and practice methods for collecting and analyzing assessment data, and identify ways this data can inform future teaching and learning.	All
1:45-3:00 CDT	Planning for an EM lesson	Learn how to plan for an <i>Everyday Mathematics</i> lesson, as well as unit planning and games! In this session, we will explore how to use intentionality in every facet of the planning process, from problem selection, questioning and assessment. We will also "zoom out" and look at how to effectively unit and game plan.	All

<b>BONUS CONTENT</b>	<b>Session Title</b>	<b>Description</b>	<b>Audience</b>
pre-recorded session	ConnectED for New Users	New to ConnectED and not sure where to start? Walk through the most popular digital features to enhance your planning and teaching.	New Users of <i>Everyday Mathematics</i> grades K-6
pre-recorded session	<i>Everyday Math</i> Essentials for Kindergarten	In this session, participants will explore the specific components and structure of kindergarten <i>Everyday Mathematics</i> . They will be presented with implementation suggestions.	Kindergarten teachers
pre-recorded session	Families as Partners with <i>Everyday Mathematics</i>	In this session we will brainstorm ways to increase family engagement with <i>Everyday Mathematics</i> . Resources will be provided to extend math education beyond the classroom and develop powerful partnerships with parents.	All
pre-recorded session	Getting the Most Out of Everyday Mathematics Routines	In this session participants will explore ways to strengthen activities for daily routines to bring out the mathematics in these everyday contexts.	Most relevant for grades K-2
pre-recorded session	Managing Meaningful Game Play	In this session, hear from other <i>Everyday Mathematics</i> teachers about the successes and challenges of playing games. We share ways to ensure that games are a productive activity and explore ways to support students in utilizing the games in more meaningful ways through intentional selection and differentiation.	All
pre-recorded session	Posing Purposeful Questions	In this session, participants will strengthen their understanding of how to ask meaningful questions that promote mathematical discourse and student reasoning. They will do this by examining different types and patterns of questioning and how they impact student learning and discussing and planning instructional strategies and habits of questioning that encourage and support student agency and authority in the classroom.	All
pre-recorded session	Supporting English Language Learners in EM	Explore strategies and supports for English Language Learners within the <i>Everyday Mathematics</i> curriculum.	All