

Day One

Keynote • 8:30 am - 9:05 am

“Using Guided Math To Catch up Students Who Have Fallen Behind and Accelerate the Progress of All” – Kelly Harmon

How are our students seeing, thinking, and using math concepts and skills in meaningful, tangible, and motivating ways? Let’s kick off a great two days together as we explore a multitude of Guided Math ideas to catch up those who have fallen behind and accelerate the progress of all of our K-6 students. Don’t miss this truly insightful keynote session!

MORNING SESSIONS • 9:15 am – 11:50 am

Choose **ONE** Full Morning Session OR **TWO** 70-Minute Sessions • *One mid-morning break*

Full Morning Session • 9:15 am – 11:50 am

A-1: Practical Strategies to Better Organize and Manage Your Guided Math Groups – Amy Stark

Discover how and why Guided Math can be your most effective tool for reaching all ability levels in your classroom. Leave with the latest low-stress, classroom-tested ways to successfully organize, implement and manage your Guided Math groups. Plus, you’ll receive timesaving tips for maximizing the impact of Guided Math for students of all ability levels. Finally, you’ll gain valuable tips for developing daily routines to make your Guided Math groups predictable and manageable rather than overwhelming.



**First 70-Minute Morning Sessions
9:15 am – 10:25 am**

CHOOSE ONE: A-2 or A-3

A-2: Keeping Students Productively Engaged While You Work with Guided Math Groups – Mary Peterson

Explore a wealth of classroom-proven techniques to set-up, launch and maintain differentiated workstations in a Guided Math classroom. This session addresses students’ varied learning needs within a carefully planned numeracy-rich environment. Learn timesaving ways to build independence and keep students productively engaged in differentiated math workstations while you work with small Guided Math groups.

A-3: Setting Guided Math Goals and Tracking Student Progress – Kelly Harmon

Students who know what they are learning and track their own mastery make greater achievement strides. Learn how to create standards-based learning targets and success criteria that help you partner with students to close the daily learning gap. Examine routines that help students know what they will be learning, what they are learning, and make vital connections to what they have already learned.

**Second 70-Minute Morning Sessions
10:40 am – 11:50 am**

CHOOSE ONE: A-4 or A-5

A-4: Engaging Interactive Guided Math Centers – Mary Peterson

Young learners and those struggling with basic math concepts need interactive and hands-on opportunities to build a solid understanding. Explore just-right math centers designed to provide your students with meaningful, independent practice opportunities. Roll up your sleeves as we view, create and play a variety of super fun, easy-to-implement games and activities perfect for use in your Guided Math centers. Whether you are teaching K-2 or have students in your classroom needing those foundational skills, your students will absolutely love using these classroom tested activities!

A-5: Organizing the Math Block to Incorporate Guided Math Instruction – Kelly Harmon

Learn what to do first, last and in the middle of math class to ensure lasting learning in your Guided Math-focused classroom. Gain outstanding planning tips, ideas, and routines to help you. Learn how to advance the learning of every student.

Who Should Attend

Classroom Teachers, Title I Staff, Special Education Staff, Math Specialists, and Other Educators Teaching Math in Grades K-6

“I am ready for facilitating guided math groups during my math instruction time! Thank you for such a wonderful conference!”

– Faye Hazelberg,
3rd Grade Teacher

Team Discount

ONE DAY

One Person: \$289

BOTH DAYS

One person: \$489

**Team of 3+: \$469 per person
when enrolled at the
same time**

Lunch break on your own • 11:50 am – 1:05 pm (A great time to network with colleagues!)

... *“Worth the time! It was a joy and a valuable learning experience.”* ...

Who is BER?

The Bureau of Education & Research is North America's leading presenter of training for professional educators. Our goal is to provide high-quality PD programs, based on sound research, with an emphasis on practical strategies and techniques that can be immediately implemented.



Day One

AFTERNOON SESSIONS • 1:05 pm – 3:35 pm

Choose **ONE** Full Afternoon Session OR **TWO** 70-Minute Sessions
One mid-afternoon break

Full Afternoon Session • 1:05 pm–3:35 pm

B-1: Strengthen Students' Problem Solving During Guided Math Instruction

– *Kelly Harmon*

Help every student become a complex problem solver—especially when two or more steps are involved! In this session, you'll learn the key steps students can use from grades K-6 to more efficiently process and solve word problems during Guided Math. We will explore complex, yet doable real-world problems using eight different problem-solving strategies you can incorporate in your Guided Math program. Discover the strategies that will help close any gaps and accelerate the learning of ALL students.

First 70-Minute Afternoon Sessions 1:05 pm – 2:15 pm

CHOOSE ONE: B-2 or B-3

B-2: Classroom-Proven Strategies for Helping Students Master Multiplication and Division (Grades 3-6) – *Mary Peterson*

Prepare to be surprised at just how quickly your grades 3-6 Guided Math students will master their multiplication and division facts! Receive many highly-practical, detailed, classroom-proven activities for improving students' conceptual understanding, fluency and strategic confidence with multiplication and division. Gain a wealth of impactful, super fun multiplication and division games, lessons, projects, and strategies you can easily incorporate into your Guided Math program.

B-3: Innovative Independent Math Center Activities While You Work With a Small Guided Math Group (Grades K-2) – *Amy Stark*

Learn how to create, adapt and manage math centers so students are on task while you work with your Guided Math groups. Receive a wealth of math center ideas for your grades K-2 students to extend their learning, strengthen their mathematical understanding and keep them mathematically engaged and challenged. Ideas shared are easy to incorporate, cost little or nothing AND are motivating for your students. Amy will share ideas to support all levels of learning.

Second 70-Minute Afternoon Sessions 2:25 pm – 3:35 pm

CHOOSE ONE: B-4 or B-5

B-4: Powerful and Effective Just-Right Small Group Guided Math Lessons – *Mary Peterson*

Learn how to most effectively organize and manage small flexible Guided Math groups based on formative assessment. Receive classroom-proven ideas for carefully planning and teaching just-right small group Guided Math lessons to meet the needs of the diverse learners in your classroom. Use powerful Guided Math small group lessons to build the confidence and competence of all your students.

B-5: Math Talk and Writing Strategies to Deepen Your Students' Understanding of Math Concepts (Grades 3-6) – *Amy Stark*

Learn exciting and innovative strategies to help your students use their "math talk" to strengthen their written mathematical explanations. Discover how to easily incorporate writing into your Guided Math program as a way to extend mathematical thinking and increase your students' understanding of concepts and their use of key math vocabulary.

Can't Attend? Online Professional Development Options:



Related Online Courses

Related On Demand Video-Based Online Learning courses, *Using Guided Math to Strengthen Students' Math Learning*, for Grades K-2 and Grades 3-6, and other math-related courses, are available for immediate registration. To enroll, visit www.ber.org/online

Day Two

MORNING SESSIONS • 8:30 am – 11:15 am

Choose **ONE** Full Morning Session OR **TWO** 75-Minute Sessions
One mid-morning break

Full Morning Session • 8:30 am – 11:15 am

C-1: Innovative Projects: Increase Motivation, Engagement and Success in Your Guided Math Program –*Mary Peterson*

Empower your students to love and explore math across the curriculum with a variety of engaging and highly motivating math projects. These exciting projects work well across diverse math topics and are appropriate for grades K-6. In this make-and-take session we'll explore ways to incorporate a variety of engaging math projects into your Guided Math program to increase student creativity, teamwork, critical thinking, communication, and problem-solving skills.

First 75-Minute Morning Sessions 8:30 am – 9:45 am

CHOOSE ONE: C-2 or C-3

C-2: Making Best Use of Technology in the Guided Math Classroom

– *Amy Stark*

Discover highly effective ways to integrate technology into your Guided Math classroom. You will leave with examples of classroom-tested resources to differentiate your math instruction and give your students opportunities to practice and strengthen their understanding of key math skills. Explore FREE, timesaving digital resources, readily available to you and perfect for use in your Guided Math classroom with the whole class, small groups or individually!

C-3: Utilize Number Talks to Practice Computational Skills and Develop Mental Math Abilities – *Kelly Harmon*

Engage students in daily number talks that help them practice computational skills and develop mental math strategies, perfect for Guided Math. Learn how to develop standards-specific number talks that incorporate student interests, strengthen their skills, and help all students achieve, even those who've fallen behind.

Second 75-Minute Morning Sessions 10:00 am – 11:15 am

CHOOSE ONE: C-4 or C-5

C-4: Differentiated Problem Solving Strategies to Use During Small Group and Whole Class Instruction –*Amy Stark*

Discover how to incorporate the ideas of Cognitively Guided Instruction (CGI) into your Guided Math program to help your students expand their intuitive understanding of math concepts to solve and explain problems. You will leave this session with differentiated problems you can immediately use with your students, an understanding of how to write your own problems, and strategies for incorporating the principles of CGI into your own Guided Math program.

C-5: Using Children's Literature to Engage Students in Problem Solving Activities – *Kelly Harmon*

Children's books provide a perfect starting point for engaging students in authentic problem solving. In this session, explore literature matched to math standards and great ways to use manipulatives and drawing strategies during Guided Math to help students think through complex problems.

Lunch Break • 11:15 am – 12:30 pm • Lunch Break (on your own)

On-Site Training

Conferences like this one along with many other topics can be brought to your school or district. Please view all of our On-Site PD options at www.ber.org/onsite or call 877-857-8964 to speak with an On-Site Training PD Consultant.

Comprehensive Resource Handbook

You will receive an extensive digital resource handbook, specifically designed for this conference. Included in the handbook are resource materials for ALL conference sessions, even those you don't attend. These materials include:

- Timesaving, teacher-friendly ideas for implementing Guided Math groups and managing math centers
- Key ideas and specific tips for setting up and managing Guided Math groups
- Detailed components of strong Guided Math group lessons

Participants will also receive a printed copy of the resource handbook as long as their registration is received in the BER office at least 15 calendar days before the event.

"The sessions were great; I had a hard time just choosing just one to go to each time period. Thank you to the presenters for sharing your knowledge!"

– Jodie Yantachka, Instructional Coach



Conference Locations & Hotel Accommodations



While in **ST. LOUIS**, enjoy the St. Louis Art Museum, visit the famous Gateway Arch, or explore Union Station and stroll through the specialty stores and markets.

Conference Location and Overnight Accommodations:

Clayton Plaza Hotel – Clayton
(314) 726-5400

Book your overnight accommodations by October 1, 2021 to receive the special rate of \$119 (Single/Double) plus tax, rates subject to availability. For reservations, please call the number above and reference this BER Guided Math Conference (group code GUM), or book online at <https://bit.ly/3e40x1s>



HOUSTON is home to a variety of places to go and things to do, including NASA's Johnson Space Center, and The Museum of Fine Arts, one of the largest art museums in the United States.

Conference Location:

Norris Conference Center Westchase
(713) 780-9300

Overnight Accommodations:

Marriott Westchase • (713) 978-7400

Book your overnight accommodations prior to October 3, 2021 to receive the special rate of \$109 (Single/Double), plus tax, rates subject to availability. Call reservations at (713) 978-7400 and mention you are attending this Bureau of Education & Research conference.

Day Two

AFTERNOON SESSIONS • 12:30 pm - 3:10 pm

Choose **TWO** 75-Minute Afternoon Sessions • *One mid-afternoon break*

First 75–Minute Afternoon Sessions 12:30 pm - 1:45 pm

CHOOSE ONE: D-1, D-2 or D-3

D-1: Dynamic Whole Group Guided Math Lessons – Mary Peterson

Learn the key components of powerful and appropriate warm-up activities, lessons and guided practice opportunities to successfully teach grade level skills in heterogeneous whole group Guided Math settings.

Receive dynamic and exciting ideas for enhancing your Guided Math instruction by incorporating the most appropriate whole group lessons for teaching skills to facilitate maximum carryover into your small group Guided Math lessons.

D-2: Daily Number Routines That Provide a Smooth Transition into Your Guided Math Rotations – Amy Stark

Learn highly effective, classroom tested number routines that are engaging and accessible for all students. Ideas shared are easily adaptable to any grade level concepts taught as well as with any math curriculum you're using. You'll also leave with a better understanding on WHY guided math should start with one of these number routines.

D-3: Terrific Math Games for the Rest of Your Class While You Teach Guided Math Groups – Kelly Harmon

Explore how to set up games that are perfect for centers or stations. Engage your learners in strategic thinking and deepen their foundational knowledge while you teach Guided Math groups. Walk away with management ideas and resources you can use to maximize success for both students who've fallen behind and those ready for new challenges.

Second 75–Minute Afternoon Sessions 1:55 pm – 3:10 pm

CHOOSE ONE: D-4, D-5 or D-6

D-4: Empowering Writing and Vocabulary Guided Math Strategies to Strengthen Conceptual Understanding – Mary Peterson

Receive highly effective writing strategies to deepen student learning, build vocabulary knowledge and help students gain new perspectives in Guided Math. Explore the six concrete steps for teaching math vocabulary and several engaging, effective math vocabulary games. You'll leave this dynamic session with numerous, ready-to-implement writing and vocabulary strategies for creating a language-rich Guided Math environment.

D-5: Innovative Independent Math Center Activities While You Work With a Small Guided Math Group (Grades 3-6) – Amy Stark

Learn multiple ways to strengthen grades 3-6 math instruction using centers that reinforce the content taught during whole and small group instruction. Discover dozens of valuable ideas for creating more meaning and interest in grades 3-6 independent math activities while you work with your Guided Math groups. Ideas shared are easy to incorporate, cost little or nothing AND are motivating for your upper elementary students.

D-6: Increase Engagement and Rigor in Your Guided Math Program – Kelly Harmon

Explore ways to engage your students' mathematical reasoning during computation and problem-solving practice. Learn how to set up challenging questions and situations to give access to rich mathematical thinking to all students whether they are working on closing a gap or at an advanced level. Leave with proven strategies and activities for stretching your students' mathematical reasoning in small group and whole group lessons.

Online Learning

BER offers educators a wide range of online courses that are affordable, fun, fast, and convenient. BER is now offering On Demand Video-Based courses. You may earn optional graduate-level credits for most courses. See the catalog of available courses at www.ber.org/online