

Day One

Keynote • 8:30 am - 9:05 am

“The Times They Are A’Changin’!” Using Guided Math to Accelerate the Learning of ALL our Students – Barb Blanke

What do students need from their education when it comes to mathematics? What tools do we need to address our students’ unfinished learning and move toward accelerating their learning? Join Barb as she explores the productive beliefs which need to be nurtured and how they relate to the mathematical “habits of the mind” that our 21st Century learners need in order to achieve. Let’s start this dynamic Guided Math conference with a keynote address that will leave you feeling empowered, energized and well equipped to meet the diverse needs of your students!

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: Building Confident, Enthusiastic Problem Solvers in Guided Math! (Grades 3-6) – Ann Elise Record

Explore practical ways to accelerate the problem-solving of ALL your grades 3-6 students within your Guided Math lessons and leveled workstations. Make best use of concrete math tools, pictorial model representations and abstract equations to build confident, enthusiastic problem solvers. Help ALL students catch up through activities set at the appropriate level for each of your diverse students. Set the stage for accelerating ALL students’ problem-solving success!

A-3: Strengthening Computational Fluency with Addition and Subtraction Using Math Talks, Ten Frames, Riddles, Games, and Number Racks – Barb Blanke

How can you make sure ALL your students build strategies that provide flexibility, accuracy and efficiency with addition and subtraction facts to 20? Take your Guided Math students to new heights and proficiency with these fun-filled, easy-to-implement visual models, strategies, tasks, games, apps, and math talks. Leave with ready-to-use activities that will help your students meet rigorous computational fluency grade level standards.

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

CHOOSE ONE: A-4 or A-5

A-4: Developing Computational Fluency Through Number Talks and Number Strings – Ann Elise Record

Let’s deep dive into one of the most powerful daily routines in your Guided Math toolkit. Utilize Number Talks and Number Strings to develop ALL students’ understanding of the patterns in our number system. Help students who’ve fallen behind explore number relationships to move them beyond inefficient counting strategies to more sophisticated computational strategies. Watch as students astound you with their flexible thinking and mental math skills.

A-5: Not-to-Miss Math Learning Center Activities – Barb Blanke

This fast-paced session is brimming with ideas you’ll want to try immediately in your Guided Math classroom. Innovative, hands-on, interactive small group and independent activities will be shared that meet the diverse needs of your students and increase their understanding and proficiency when meeting rigorous standards. Don’t miss these effective techniques that will enable you to more efficiently teach Guided Math groups.

Who Should Attend

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

“Every session gave great perspective into math instruction. I will be able to use this information this year and beyond.”

– Sarah Martel, Instructional Coach

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!)

... “Wonderful content and resources I can immediately apply!” ...

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.



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 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: Unlock the Power of Guided Math Groups! What All the Books Did Not Tell You! – Barb Blanke

Come experience what Guided Math is all about! Learn how to both reinforce and extend math concepts and skills in a small group setting to ensure student success in grades K-6. See the power of “just-in-time” teaching that keeps students fully on track and positively motivated in real-teacher classrooms. Gain fresh, new ideas that will help catch up those who have fallen behind by guiding their learning when they need it most and extending learning for those students who are ready to go!

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

CHOOSE ONE: B-2 or B-3

B-2: Hands-On Fractions in Guided Math – Ann Elise Record

Learn about how we can deepen ALL students' conceptual fraction understanding of equivalence, comparison, conversion from fraction form to mixed number form, addition, and subtraction of fractions using a variety of concrete math tools such as pattern blocks, Cuisenaire rods, non-labeled fraction tiles, and paper folding. Rather than following procedural steps that are disconnected from meaning, students will be using number sense strategies that enable them to arrive at accurate answers but also support their conceptual understanding of fractions and the operations as well.

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: Building Confident, Enthusiastic Problem Solvers in Guided Math! (Grades K-2) – Ann Elise Record

Explore practical ways to respond to the unique problem-solving needs of your grades K-2 students excel to the next level of learning. Learn how to make best use of concrete math tools, pictorial model representations and abstract equations to increase the learning of ALL students from struggling to accelerating. Learn strategies to develop students' conceptual understanding of the underlying structures within addition and subtraction problem types. Set the stage for students' problem-solving success.

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.



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: Math Running Records: Meeting Students' Addition, Subtraction, Multiplication, and Division Fluency Needs – *Ann Elise Record*

Incorporate Math Running Records in your Guided Math program to measure the four aspects of math fact fluency, allowing you to target your differentiated instructional response to meet the unique needs of all your students, especially those that have fallen behind. Explore the progression of addition, subtraction, multiplication, and division strategies and see videos of running records in action. Learn how to best incorporate impactful strategies, math tools, games, and activities within your Guided Math lessons and independent workstations.

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

CHOOSE ONE: C-2 or C-3

C-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.

C-3: Helping All Students Access and Make Sense of Fractions – *Barb Blanke*

Experience how you can demystify fractions for ALL of your students, whether they are struggling or are ready to take their learning to the next level. We will explore the language of fractions, equivalence, addition, subtraction, multiplication, and division. Using the bar model and pattern blocks you will leave with ready-to-use Guided Math activities that will deepen your students' understanding of fractions. Ah-ha's are guaranteed!

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: Here They Are: Practical Tips for Managing Math Learning Centers in Any Grade! – *Barb Blanke*

Learn classroom-proven techniques for setting up highly motivating math centers that your students will enjoy and that will keep them independently focused on mathematics. Barb will share tried-and-true management strategies that respect your valuable Guided Math teaching time by minimizing set-up, planning and grading while students are actively engaged in math center activities.

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

Registrants 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.

"I feel very much prepared with materials, tips, and management plans to make guided math a success in my classroom."

– Patti McGovern,
2nd Grade Teacher



Conference Locations & Hotel Accommodations



Richmond offers a wide variety of cultural and recreational activities. Ride the RVA Trolley or visit the 100-acre Maymont Park.

Conference Location and Overnight Accommodations:

Four Points by Sheraton – Airport
(804) 226-4300

Book your overnight accommodations prior to December 27, 2021 to receive the special rate of \$115 (Single/Double), plus tax, rates subject to availability. For reservations please call the number above and mention you are attending this BER Guided Math conference, or book online at <http://bit.ly/3bMNQ8s>



Visit South Carolina's capitol of **Columbia**, home to a variety of sights including the SC Statehouse, the Columbia Museum of Art, or the South Carolina State Museum.

Conference Location and Overnight Accommodations:

Hilton Garden Inn Northeast
(803) 807-9000

Call reservations at the number above and book your overnight accommodations prior to December 30, 2021 to receive the special rate of \$99 (Single/Double), plus tax, rates subject to availability, under "BER: Guided Math."

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: Powerful Daily Routines That Deepen Reasoning Abilities for All Learners – *Ann Elise Record*

Incorporate a wealth of classroom-tested daily routines that develop students' number sense and reasoning abilities. Discover whole and small group routines that provide rich opportunities for Guided Math students to discuss their thinking, critique the reasoning of others, make connections between various math concepts, use precision in their math vocabulary, and develop flexible use of strategies. We'll explore routines like Number Talks, Splat! Which One Doesn't Belong and more!

D-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!

D-3: Let Your Kids Talk! Guiding Mathematical Discourse to Support Deep and Equitable Learning for ALL Your K-6 Students – *Barb Blanke*

Facilitating mathematical discourse in the K-6 Guided Math classroom is revitalizing yet demanding. While student ideas amaze us, discourse is more than show and tell of student strategies. Learn how to map your first 20 days of discourse to IGNITE mathematical understanding for all your students! Leave with dozens of free resources and websites, as well as a great plan to maximize the benefits of student discourse in your K-6 Guided Math program!

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

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

D-4: Cuisenaire Rods: Help Your Guided Math Students Think Strategically – *Ann Elise Record*

Whether students are struggling or ready for new challenges, Cuisenaire rods are highly versatile tools perfect for our students' entire math journey. Enhance students' ability to visualize the use of strategies. Gain strategies based on decomposition and friendly numbers that make calculation more efficient. Learn practical ways to use Cuisenaire rods both in your Guided Math lessons as well as independent workstations to move your students to higher thinking levels.

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: Solving Rigorous Guided Math Tasks in 3 Simple Steps! – *Barb Blanke*

Tired of students who read a problem, underline two numbers and then operate on them in any way? You can meet or exceed your rigorous standards using this simple 3-step strategy in Guided Math to build confident problem solvers. See how problem stems from any resource and the "Three Reads" strategy can develop a deeper understanding and the perseverance that is needed to be an independent problem solver. Leave ready to use "Three Reads" tomorrow with your current resources and watch autonomous problem-solvers bloom!