

Day One

Keynote • 8:30 - 9:05 am

“The Times They Are A’Changin’!” Preparing Our Guided Math Students for the 21st Century” – Barb Blanke

What do 21st Century students need from their education when it comes to mathematics? It makes sense for teachers to be constantly aware of the skills that are actually required in the workplace. If those skills change, so should the education we provide. Join Barb as she explores which math skills need to be nurtured for our students and how they relate to the mathematical “habits of the mind” that we are requiring them 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 - 11:50 am

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

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

A-1: Strengthen Students’ Problem Solving During Guided Math Instruction – Kelly Harmon

Help your students become word problem wizards — especially when two or more steps are involved! In this session, you’ll learn the key steps students can use to more efficiently process and solve word problems during Guided Math. Help your students more easily understand math problems and select efficient, effective problem solving strategies.

70–Minute Sessions • 9:15 – 10:25 am

CHOOSE ONE: A-2 or A-3

A-2: Help All Your Students Make Sense of Fractions in Guided Math (Grades 3-6) – Barb Blanke

Come experience what the conceptual understanding of equivalence, addition, subtraction, multiplication, and division of fractions looks and feels like! Using pattern blocks as a model you will leave with a deeper understanding and will take these ready-to-use Guided Math activities back to share with ALL of your students! Ah-ha’s are guaranteed!

A-3: 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.

70–Minute Sessions • 10:40 – 11:50 am

CHOOSE ONE: A-4 or A-5

A-4: 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!

A-5: Dynamic Whole Group Guided Math Lessons – Mary Peterson

Learn key components of powerful and appropriate lessons to successfully teach grade level skills in mixed ability, whole group Guided Math settings. Receive dynamic and exciting ideas to incorporate picture books, number talks, games, skill practice, teamwork, and more! Bring your whole group Guided Math instruction to life with these motivating ways to teach even some of the most challenging math concepts.

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



Who Should Attend

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



“I learned many ways to enrich my Guided Math centers.”

– Tina Banta, 3rd Grade Teacher



Team Discount

ONE DAY

One Person: \$269

BOTH DAYS

One person: \$449

Team of 3+: \$429 per person when registered at the same time.

“I am excited to get back to class to try these new ideas.”



Day One

AFTERNOON SESSIONS • 1:05 - 3:35 pm

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

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/onlinelearning



Who is BER?

The Bureau of Education & Research is North America's leading presenter of seminar 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.

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

B-1: Project Based Math in Your Guided Math Program – Mary Peterson

Increase your students' love of math and encourage critical thinking skills with these highly motivating and creative open-ended math projects, ideal for Guided Math. These exciting projects can be used with a wide range of math topics and at all grade levels. In this make-and-take session you will learn how to incorporate project based learning and empower students to explore math across the curriculum.

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

CHOOSE ONE: B-2 or B-3

B-2: Building Computational Fluency with Addition and Subtraction Using Math Talks, Ten Frames, Riddles, Games, and Number Racks (Grades K-2) – 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 K-2 students meet rigorous computational fluency grade level standards.

B-3: 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 use manipulatives and drawing strategies during Guided Math to help students think through complex problems.

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

CHOOSE ONE: B-4 or B-5

B-4: Not-to-Miss Math Learning Center Activities Specifically Designed for Grades 3-6 – 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 students in grades 3-6 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!

B-5: 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 and cumulative review of the math standards.

Can't Attend? Related Online Courses Online Professional Development Option:

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



Day Two

MORNING SESSIONS • 8:30 – 11:15 am

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

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

C-1: Unlock the Power of Guided Math Groups in Your Classrooms! – *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 reduce your students’ math frustration by guiding their learning when they need it most and extending learning for those students who are ready to go!

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

CHOOSE ONE: C-2 or C-3

C-2: Helping Students Discover and Make Math Applications with Real World Problems (Grades 2-6)

– *Kelly Harmon*

A key component of effective Guided Math instruction involves helping students make mathematical applications to the real world. In this session, explore problems and projects perfect for Guided Math that engage students with complex yet doable problems that develop and require critical thinking.

C-3: Powerful and Effective Just-Right Small Group Guided Math Lessons

– *Mary Peterson*

Learn how to most effectively organize and manage flexible small skills 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. Gain powerful questioning techniques to build confidence and competence for all students.

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

CHOOSE ONE: C-4 or C-5

C-4: 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 break down math standards and expectations into discrete learning targets. Examine learning boards that help students know what they will be learning, what they are learning, and make vital connections to what they have already learned.

C-5: Guided Math Multiplication and Division Mastery Blast! (Grades 3-6)

– *Mary Peterson*

If your students need help mastering multiplication and division, this session is for you. Mary will share easy-to-implement ideas, differentiated lessons, games and projects to incorporate a multiplication and division mastery blast in your grades 3-6 Guided Math program. You will gain a wealth of practical, innovative and super fun ideas proven to maximize students’ understanding, fluency and application of multiplication and division.

Comprehensive Resource Handbook

You will receive an extensive 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 in your own classroom
- Key ideas and specific tips for setting up and managing Guided Math groups
- Detailed components of strong Guided Math group lessons
- A variety of differentiated, scaffolded math templates for valuable activities across the five NCTM content standards



“My head is bursting with new ideas and strategies to try in class.”

– Jen Ormsbee, Teacher

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 Consultant.

“The best conference in 20 years.”

Conference Locations & Hotel Accommodations



Rochester

While in Rochester, you can enjoy a myriad of nearby shopping and dining opportunities. As well as a wide variety of cultural and recreational activities.

Conference and overnight accommodations:

Rochester Riverside Hotel
(585) 546-6400

Mention you are attending this BER conference prior to November 2, 2018 to receive the special rate of \$119 (Single/Double), rates subject to availability.



Boston

Many sightseeing opportunities abound including the world renowned Museum of Fine Arts, the Isabella Stewart Museum, the Freedom Trail through Boston's historic sites, or a boat cruise on the Charles River.

Conference and overnight accommodations:

Four Points by Sheraton – Wakefield
(781) 245-9300

Mention you are attending this BER conference prior to November 3, 2018 to receive the special rate of \$115 (Single/Double), rates subject to availability.

Day Two

AFTERNOON SESSIONS • 12:30 - 3:10 pm

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

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

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

D-1: Solving Rigorous Guided Math Tasks in 3 Simple Steps! (Grades 3-6)

– 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!

D-2: 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 groups. Gain outstanding planning tips and ideas designed to help you maximize the impact of your math instruction and students’ learning in your Guided Math classroom.

D-3: Powerful Writing and Vocabulary Guided Math Strategies to Strengthen Conceptual Understanding

– Mary Peterson

Receive dozens of highly effective writing strategies to deepen student learning, build vocabulary knowledge and help students gain new perspectives in Guided Math. Mary will provide dozens of math writing ideas as well as take you through the six concrete steps for teaching math vocabulary. You’ll leave this dynamic session with numerous, ready to implement strategies while creating a language-rich Guided Math environment.

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

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

D-4: 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. Barbara 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.

D-5: 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’ll need to maximize success.

D-6: SUPER FUN Ways to Increase Addition and Subtraction Skills with Guided Math (Grades K-2)

– Mary Peterson

Maximize students’ understanding, fluency and application of addition and subtraction with exciting and motivating Guided Math lessons, stories, songs, games, number talks, word problems, projects and more! Come prepared to make and use easy-to-implement and meaningful math tools and play some engaging addition and subtraction games that your students will love!