

Day One

Keynote • 8:30 - 9:05 am

“Guided Math: We Need Not Reinvent the Wheel” – Deborah Allen Wirth

Although Guided Math may seem like a new idea, the differentiation techniques have been around for many years! Journey with Deb, a highly experienced current teacher and Guided Math practitioner. Discover how to work smarter, not harder and to use resources and materials you already have on hand to best meet the needs of all 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: 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. 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.

70-Minute Sessions • 9:15 – 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: Defeating the “I’m done!” Dilemma in Your Guided Math Classroom!

– Deborah Allen Wirth

“I’m done!” Has this phrase ever been shouted out in your classroom as you were working with a small group? Using anchor activities will prevent this from happening in the future. Gain knowledge of different anchor activities spanning a variety of content strands, while utilizing different process standards. After this session, you will never be faced with this dilemma again!

70-Minute Sessions • 10:40 – 11:50 am

CHOOSE ONE: A-4 or A-5

A-4: 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 heterogenous 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.

A-5: “Eat Up” These Movin’ and Groovin’ Hands-On Guided Math Activities

– Deborah Allen Wirth

Research shows hands-on activities can dramatically increase students’ retention rates by up to 75%. Explore great ways to engage your Guided Math students with hands-on and movement-based activities! These kinesthetic activities can benefit ALL learners! As a bonus, we’ll explore how to create inexpensive manipulatives boxes for easy and accessible student use. No longer will you spend valuable time passing out materials to students! Leave with a host of great ideas!



Who Should Attend

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



“I learned so much and can’t wait to start practicing. I feel empowered!”

– Amy Ramon,
2nd Grade Teacher



Team Discount

ONE DAY

One Person: \$289

BOTH DAYS

One person: \$479

Team of 3+: \$459 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!)

“A ton of new tools to add to my Guided Math classroom!”



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/online



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

CHOOSE ONE: B-2 or B-3

B-2: 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 students' understanding of the patterns in our number system. Help students 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.

B-3: Guided Practice: Las Vegas Style! (Grades K-3) – *Deborah Allen Wirth*

Your K-3 Guided Math students will "hit the jackpot" playing these innovative card games that reinforce number sense. You will get an equal "deal" providing these unique and engaging practice opportunities which, in turn, help students master important mathematical building blocks. Explore ways to strengthen skills including number recognition, comparing numbers, three addend addition, rounding 10s and adding 10s, addition and subtraction facts, odd and even numbers, place value and sequencing.

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

CHOOSE ONE: B-4 or B-5

B-4: 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!

B-5: Stop Spending Valuable Money and Time on Center Construction and Center Design! – *Deborah Allen Wirth*

Are you interested in using centers in your Guided Math classroom, but feeling burnt out from the creation of multi-leveled activities? Learn how to create effective centers, that incorporate variations on a theme, but reach students of all ability levels. Learn how to use grouping strategies to formulate both homogeneous and heterogeneous groups and explore ways to provide students with independence and choice in their center activities and rotation.

Can't Attend? Online Professional Development Option:

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 – 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: Working Smarter, Not Harder – FREE Tech Tools at Your Fingertips

– *Deborah Allen Wirth*

Explore a host of outstanding FREE websites for your Guided Math block, guaranteed to help you and your students work smarter, not harder! Gain tips for making these math sites readily available for students. Strengthen your direct and small group instruction and the effectiveness of guided and independent practice in your Guided Math block. Watch your students' motivation and skills soar with targeted websites/apps perfect for center and anchor activities.

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

CHOOSE ONE: C-2 or C-3

C-2: Engaging Guided Math Centers Perfect for Students in Grades K-2

– *Mary Peterson*

Young learners need interactive and hands-on opportunities to build a solid understanding of basic math concepts. Explore just-right math centers designed to provide your primary grades 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 grades K-2 Guided Math centers. Your students will absolutely love them!

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

Explore practical ways to respond to the unique problem solving needs of 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. Learn strategies to develop students' conceptual understanding of the underlying structures within multiplication and division problem types. Set the stage for students' problem solving success!

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

CHOOSE ONE: C-4 or C-5

C-4: 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.

C-5: 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 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. 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!

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 Guided Math 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



“The handbook is a great resource to reference back to!”

– Jen Gennux,
1st Grade Teacher

“This was an excellent conference!”

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 Location and Overnight Accommodations:

Radisson – Airport
(585) 475-1910

Mention you are attending this BER conference prior to November 8, 2019 to receive the special rate of \$90 (Single/Double), rates subject to availability.



Boston

Enjoy many sightseeing opportunities including the world renown 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 Location and Overnight Accommodations:

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

Mention you are attending this BER conference prior to November 18, 2019 to receive the special rate of \$119 (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: 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.

D-2: Cuisenaire Rods: Help Your Guided Math Students Think Strategically – *Ann Elise Record*

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 use Cuisenaire rods both in your Guided Math lessons as well as independent workstations to move your students to higher thinking levels.

D-3: Guided Math: Successful Classroom Management and Student Behavior Techniques

– *Deborah Allen Wirth*

Because Guided Math is differentiated in a myriad of ways, proactive classroom management is a must! Explore different strategies and tools to foster student accountability and on-task behaviors. Work smarter, not harder by incorporating the strategies provided in this session. Watch as your students transform into self-motivated learners!

Second 75–Minute Afternoon Sessions 1:55 – 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: Developing Number Sense in Guided Math – *Ann Elise Record*

What exactly is number sense and how can we best help our students develop it for themselves? Explore the eight foundational ideas of number sense across the K-6 spectrum. Discover practical Guided Math classroom experiences, rich with opportunities for developing students' number sense while forming a lifelong foundation of mathematical thought. Leave with numerous proven ideas you can easily implement in your classroom the next day!

D-6: Differentiating Components Within the Guided Math Block

– *Deborah Allen Wirth*

Guided Math is so much more than working in a small group setting! There are many different avenues through which differentiation may occur. Investigate how whole group instruction, independent practice, problem of the day, and other components can be differentiated. Enhance your current math block with any or all components discussed in this session to best meet your students' specific needs and your teaching style.