

Day One

Keynote • 8:30 am - 9:05 am

“Teach Confidence, It’s Contagious” – Ryan Doetch

If you want to be a classroom changer for students everywhere and learn how to inspire even those who struggle, join Ryan Doetch, a Presidential Awardee Teacher, for an inspiring, upbeat, and motivating presentation on how to teach in a classroom with more success for all. Mindsets are critically important because they lead to different learning behaviors, which in turn create different learning outcomes. When students change their mindsets and start to believe that they can learn to high levels, they change their learning pathways, achieve at higher levels, and close gaps in their learning.

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: 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 Morning Sessions 9:15 am – 10:25 am

CHOOSE ONE: A-2 or A-3

A-2: Replacing Worksheets with Rich Math Tasks Accessible to All Learners – Ryan Doetch

Learn how mathematical tasks can replace worksheets to develop strong conceptual understanding, problem solving, procedural fluency, and opportunities for all students to engage in meaningful, rigorous mathematics. Leave with ready-to-use math tasks that capitalize on real life applications and spark engagement, curiosity and creativity. These are perfect for any math program or grade level, and for Guided Math, centers and whole group instruction. Enhance student collaboration, discussion, communication of reasoning, and success in math!

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: Make One Simple Change to Any Math Problem to Strengthen Depth, Increase Rigor and Strengthen Problem Solving – Ryan Doetch

Discover one simple change that can be made to any math problem that will jumpstart your students’ thinking skills in ways that will increase their involvement, improve their learning and give them ownership of the learning process ... Build a deeper, richer understanding of mathematics for all of your students.

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.



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

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: Unlocking Children's Math Potential Through Differentiation

– *Ryan Doetch*

Unlock your students' full potential during Guided Math with instruction that accounts for the diverse needs of your students in grades 1-5, from those who excel to those who struggle with math skills. Leave with practical strategies and proven tips for differentiating your math instruction and problem-based learning.

B-3: 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.

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

CHOOSE ONE: B-4 or B-5

B-4: Revolutionize Your Math Classroom Through Transformational Teaching and Productive Struggle – *Ryan Doetch*

Gain innovative ideas for reducing students' math frustrations, guiding their learning when they need it most and extending their learning when they are ready to move on! Explore teaching strategies for intensification for all students and proven ways to motivate demotivated students. Walk away with transformational teaching strategies that engage students in positive, productive struggle and result in deeper student understanding and success with key math concepts.

B-5: 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!

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: Effective Interventions to Help Accelerate Student Learning and Transform Students' Math Experience – *Ryan Doetch*

Discover research-based practices that will help students who struggle in math go on to higher levels of achievement, engagement and persistence. Learn about practical strategies to use with Response to Intervention students in math that are comprehensive, grounded in research and can be powerfully applied by any teacher, parent or interventionist.

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

CHOOSE ONE: C-2 or C-3

C-2: 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!

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: 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.

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

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.

"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



NEWARK is home to a variety of attractions including beautiful parks, and museums such as the Newark Museum and Thomas Edison's laboratory.

Conference Location and Overnight Accommodations:

The Wilshire Grand Hotel –
West Orange • (973) 731-7007

Book your overnight accommodations by October 30, 2021 to receive the special rate of \$159 (Single/Double), plus tax, rates subject to availability. For reservations please call (973) 731-7007 and mention you are attending this BER conference.



Visit an assortment of **HARRISBURG** attractions including the National Civil War Museum, nearby Hershey Park with chocolate-themed attractions, City Island, or enjoy 2nd Street's Restaurant Row.

Conference Location and Overnight Accommodations:

Radisson – Camp Hill
(717) 763-7117

Mention you are attending this BER conference prior to November 11, 2021 to receive the special rate of \$109 (Single/Double), plus tax, rates subject to availability. For reservations please call (717) 763-7117 and mention you are attending this Guided Math conference, or book online at <https://tinyurl.com/367k5zyv>

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: Unleashing Students' Potential Through Positive Growth Mindset and Innovative Teaching – *Ryan Doetch*

Did you know that when students believe in themselves their brains operate differently? Learn the latest research about growth mindset, how that impacts a students' ability to succeed and walk away with highly effective resources to use with your students – whether they struggle or are ready for accelerated learning – during Guided Math.

D-2: 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.

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: Using Math Games and Centers to Strengthen Problem Solving, Number Sense, Addition, and Subtraction – *Ryan Doetch*

Work smarter, not harder ... Introduce math centers that change students from mathematical doers into mathematical thinkers and keep them actively engaged in independent work and meaningful practice of essential math skills. Discover innovative, timesaving ways to keep centers interesting, fresh and interactive for all learning levels. Join Ryan to learn how to use these strategies with all of your students.

D-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.

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.