

Using Models, Games and Routines to Increase Math Learning (Grades 3-6)



A Unique One-Day In-Person Seminar Presented by

Whitnie Del Toro

Outstanding Educator and National Presenter

Specifically Designed for Classroom Teachers, Math Coaches,
Interventionists, Special Education Staff, Title I Staff, and Other
Educators Teaching Mathematics in Grades 3-6

Outstanding, practical strategies to facilitate in-depth **mathematical thinking and learning** through the use of number routines

Engaging, easy-to-implement math games to **enhance all students' math skills**

Powerful, highly effective math models to enhance students' conceptual understanding of mathematical concepts

Engage your entire class in practical, manageable ways – from your struggling students to your most capable students

Illinois

Champaign – February 15

Chicago North – February 17
(Elk Grove Village)

Chicago South – February 16
(Alsip)

Missouri

St. Louis (Clayton) – February 14

CEUs and Graduate Credit Available
See page 6 for details

CAN'T ATTEND?

Order the recorded version
and take the seminar online at
your convenience (see page 6)

*"Lots of ideas to
improve and enhance
math instruction
in the classroom."*

Ten Key Benefits of Attending

"Whitnie is a great presenter and I can see her love of math in her presentation. She provided great resources and made sure that we were engaged throughout the day."



Who Should Attend

Classroom Teachers, Math Coaches, Interventionists, Special Education Staff, Title I Staff, and Other Educators Teaching Mathematics in Grades 3-6

- 1. Enhance Your Instruction in Mathematics to Better Meet the Needs of All Your Students**
Unlock the power of number routines and mathematical models to enhance student conceptual understanding and meet the needs of your diverse learners
- 2. Discover Creative Ways to Review and Re-Teach Math Concepts with Math Models**
Learn multiple ways to reinforce math skills using concrete math models that promote the use of academic math vocabulary and conceptual understanding
- 3. Use Number Routines to Foster Rich Mathematical Thinking and Learning**
Engage your students with highly-effective and engaging number routines in which students start the same, end the same, but derive the answer using their own strategies
- 4. Highly Effective and Practical Math Games to Strengthen Learning**
Promote deeper thinking and math learning with your grades 3-6 students ... Provide greater opportunities for ALL your students to experience mathematics as meaningful, challenging and worthwhile
- 5. Utilize Number Routines to Greatly Enhance Mental Math Skills**
Learn explicit number routine strategies and questioning techniques that develop mental math skills for all students ... Discover new ideas to encourage quality mathematical conversations, build math vocabulary and deepen mathematical understanding
- 6. Increase Students' Fluency and Confidence in Math Problem Solving**
Explore proven strategies that enable students to understand and solve challenging problems with fluency, ease and confidence
- 7. Use Number Sense Routines that Support Standards of Mathematical Practices**
Help students develop their metacognition to develop an awareness and understanding about numbers and their relationships
- 8. Increase Students' Understanding and Use of Mathematical Vocabulary**
Learn strategies that encourage students to use academic mathematical vocabulary as they explain their thinking, problem solve and share ideas
- 9. Decrease Math Stress and Increase Student Interest in Math**
Add more creative, fun activities to your teaching repertoire ... Ignite students' natural curiosity and reinforce their ability to succeed in math
- 10. Receive an Extensive Math Resource Handbook**
You will receive a comprehensive handbook filled with engaging activities, researched-based strategies, examples, detailed techniques and number routine resources you can use with your students

Outstanding Strategies You Can Use Immediately

What You Will Learn ...

- **Innovative, hands-on, interactive games** to meet students' diverse needs and increase their success with math
- Strategies to maximize impact of number routines to **enhance students' number sense at all ability levels**
- **Highly effective and practical number routines** that will develop deeper and richer understanding of mathematics
- Dozens of effective **math games, resources and activities** that support busy educators and work with any curriculum or program
- Meaningful math games to **enhance whole group or small group instruction**
- How to **integrate reading, writing and speaking** to increase students' success in math
- **Successful daily routines** to streamline and enhance number sense in your classroom
- Engaging, high-interest, motivating math games that **build students' confidence and competence in math**
- **Math models to strengthen key math skills** through the use of cooperative math activities
- Engaging routines and games that **encourage math discourse in your classroom** and allow students to share their reasoning and critique the reasoning of others
- Math models to help students who struggle in math to go to **higher levels of achievement, engagement and persistence**
- **Strategies to build number sense** and computational fluency through the use of number routines
- Creative, **fun ways to review and reinforce math concepts** through the use of math games
- **Ways to integrate visual math models** to engage students and develop a deeper understanding of key math concepts



"Lots of ideas to improve and enhance math instruction in the classroom."

Practical Ideas and Strategies

Have you ever wondered how to more effectively use math models, games and number routines to build deep thinking and engage students in rich mathematical learning in your classroom? If so, then this energizing and dynamic seminar, led by outstanding educator **Whitnie Del Toro**, will provide you with countless practical strategies and resources to strengthen your students' math skills. Discover the latest research-based, classroom tested strategies in mathematics education for developing strong conceptual understanding in grades 3-6 students. Engage your math students and strengthen their success in math with math models that help students visualize math concepts and promote deep, conceptual understanding. Use meaningful math games to increase fluency and problem solving and number routines to help students problem solve, use critical thinking skills and build their foundational understanding. Walk away with models, games and number routines you will be able to use in your own classroom, perfect for helping ALL students – from those who struggle to those who excel – reach greater levels of engagement, persistence and success in mathematics.



A Message From Seminar Leader, Whitnie Del Toro

Uniquely Qualified Instructor

Whitnie Del Toro is an experienced elementary teacher who has supported all students – general education, ELL, special ed, gifted – in the area of math in the classroom. Whitnie knows how to engage students in understanding key math concepts using math games and visual math models. She knows how to increase students' mathematical literacy and numeracy skills with engaging number routines and understands how to engage students and to maximize their mathematical potential.

Whitnie enjoys presenting the latest, cutting edge ideas for enhancing student learning. She provides strategies and activities that help teachers maximize their math block and help students develop conceptual understanding. She is known for presenting seminars that are engaging, practical and teacher-friendly. Whitnie is the author of *Using Models, Games and Routines to Increase Math Learning (Grades 3-6)*, the comprehensive resource handbook you will receive at this full day seminar of highly practical, engaging ways to maximize student success with math models, games and number routines. Join Whitnie and leave feeling recharged and confident, ready to put these outstanding ideas to immediate use with your grades 3-6 students.

Dear Colleague:

"How can I more fully engage my students in mathematical learning? How do I get them to think about numbers flexibly while also encouraging deeper conceptual understanding of key math concepts and building academic vocabulary?" These are questions I consistently hear from my colleagues as well as ones that I have often asked myself. The good news is that I have specifically designed a seminar to answer these questions and help you discover high leverage activities and strategies for maximizing student math learning.

In this seminar, I will share with you the classroom proven strategies that have been successful in closing the achievement gap in mathematics for countless students. Through the effective use of math models, easy-to-implement number routines, and the incorporation of engaging math games, I have learned what it takes to help ALL students. Whether the student is low achieving or high achieving, English native or English Learner, these strategies work! Join me to learn new strategies that provide your grades 3-6 students with opportunities to think critically, develop their math skills, and to foster a deeper conceptual understanding of key math concepts.

I will show you how to successfully use math models to help students "see" the math, providing them with a conceptual foundation needed to problem solve at a high level. You'll learn a variety of math games that help keep students engaged in their learning while they review and reinforce their math skills. In addition, you will also walk away with numerous number routines to help your students increase their mental math skills, practice strategies, increase mathematical vocabulary, and justify and explain their answers. The best part is that you will leave with strategies you can use immediately!

I look forward to meeting you at the seminar and sharing my experiences and strategies with you. Together, we will explore practical strategies you can use immediately in your instruction in tandem with your current math curriculum.

Sincerely,



Whitnie Del Toro

P.S. Join me for a strategy-packed day filled with classroom-tested approaches that are backed by research. **You will leave the seminar inspired and equipped to engage students in a deeper understanding of key math concepts.** In addition, you will receive an extensive resource handbook full of ready-to-use strategies, games and routines.

"Join me to learn new strategies that provide your grades 3-6 students with opportunities to think critically, develop their math skills, and to foster a deeper conceptual understanding of key math concepts."

What Your Colleagues Say About Whitnie Del Toro

"I learned a lot of valuable information and will be able to use a lot of the games/ resources in my class."

*"This was a fun and engaging seminar! I love how Whitnie gave us time to work together outside of the seminar. **The amount of resources she gave us was outstanding** and I can't wait to use what I have learned in my classroom!"*

*"Whitnie is a master teacher! She has made this all **so practical and easy to think about.**"*

*"Whitnie puts the best interests of all of students at the forefront of everything she does. **I can't wait to try these ideas in my classroom.**"*



About BER Seminars

Outstanding Instructors

All programs are led by outstanding, top-rated BER national trainers

Extensive Resource Handbook

You'll receive an extensive digital Resource Handbook full of practical strategies and resources. (For in-person seminars, 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.)

Highly Interactive

You'll be able to ask questions, consult with the instructor, and share ideas with other participants

Program Guarantee

As we have for 44 years, we guarantee the high quality of our programs. If you are not satisfied, we'll give you a 100% refund.

Special Benefits of Attending



"Whitnie is fun and energetic! Her presentation style keeps you so engaged the whole time!"

On-Site Training

Most BER seminars can be brought to your school or district in-person or online. See the options at www.ber.org/onsite or call 877-857-8964 to speak to one of our On-Site Training Consultants.

Extensive Resource Handbook

Each participant will receive an extensive digital resource handbook giving you access to countless strategies. The handbook includes:

- Dozens of ideas to create number routines to enhance number sense and mental math strategies
- Math games to meet the various of skill levels of your classroom
- Timesaving, stress-less ideas and daily routines to use immediately with your class
- Visual math models to help student build conceptual understanding of key math concepts
- A wealth of student-centered, easy-to-implement resources that deepen student math understanding

For in-person seminars, 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.

Share Ideas with Other Educators

This seminar provides a wonderful opportunity for participants to share ideas with other educators using models, games, and routines to increase math learning.

Consultation Available

Whitnie Del Toro will be available to answer your specific questions and the unique needs of your own math program.

Meet Inservice Requirements / Earn State CEUs

Participants of In-Person Seminars and those completing the Recorded Version online can receive a certificate of participation that may be used to verify five continuing education hours. For details about state CEUs available, visit www.ber.org/ceus

Earn One to Four Graduate Semester Credits



University of
Massachusetts
Global
A nonprofit
affiliate

Up to four graduate level professional development credits are available with an additional fee and completion of follow-up practicum activities. Details for direct enrollment with University of Massachusetts Global will be available at this program.

Can't Attend?

Other Professional Development Options:



Recorded Version of the Seminar

A video recorded version of this seminar will be available to take online at your convenience. You'll have access to the entire course and to the extensive digital resource handbook. Optional CEUs and graduate credit available. To enroll, see registration form on page 7.



Related On-Demand Online Courses

A related On Demand Video-Based Online Learning course, *Develop Growth Mindset in Mathematics to Increase Students' Perseverance, Engagement and Success*, for Grades K-6, and other math-related courses, are available for immediate registration. To enroll, visit www.ber.org/online

Using Models, Games and Routines to Increase Math Learning (Grades 3-6)

Registration (MGD2W1)

- 1. **Champaign, IL** – February 15, 2022
- 2. **Chicago North** (Elk Grove Village), **IL** – February 17, 2022
- 3. **Chicago South** (Alsip), **IL** – February 16, 2022
- 4. **St. Louis** (Clayton), **MO** – February 14, 2022
— or —
- 5. **I'd like to order the recorded version of this seminar**

FIRST NAME _____ M.I. _____ LAST NAME _____

POSITION, SUBJECT TAUGHT _____ GRADE LEVEL _____

SEMINAR LOCATION NUMBER: _____ (Please see list above)

List additional registrants on a copy of this form

SCHOOL NAME _____

SCHOOL MAILING ADDRESS _____

CITY & STATE _____ ZIP CODE _____

SCHOOL PHONE NUMBER _____ HOME PHONE NUMBER _____

() ()

Registration confirmations and login details are sent via e-mail

E-MAIL ADDRESS (REQUIRED FOR EACH REGISTRANT) _____

HOME MAILING ADDRESS _____

CITY & STATE _____ ZIP CODE _____

IMPORTANT – PRIORITY ID CODE: EMGD2W1

METHOD OF PAYMENT – Team Discount Available

The registration fee is \$279 per person, for teams of three or more registering at the same time, the fee is \$259 per person. **Payment is due prior to the program.** No cash, please.

- A check (payable to **Bureau of Education & Research**) is attached
- A purchase order is attached, P.O. # _____ (Be sure to include priority ID code on the P.O.)
- Charge my: MasterCard VISA Discover

Account # _____ Exp. Date: _____ MO/YR

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FIVE EASY WAYS TO REGISTER:

 **REGISTER ONLINE at: www.ber.org**

 **EMAIL this form to: register@ber.org**

 **PHONE toll-free: 1-800-735-3503**
(Weekdays 5:30 am - 5:30 pm Pacific Time)

 **FAX this form to: 1-425-453-1134**

 **MAIL this form to: Bureau of Education & Research**
915 118th Avenue SE • PO Box 96068
Bellevue, WA 98009-9668

Program Hours

All In-Person Seminars are scheduled 8:30 a.m. – 3:15 p.m.
Check-in is 8:00 a.m. – 8:30 a.m.

Fee

The registration fee is \$279 per person, \$259 per person for groups of three or more registering at the same time. Call us at 1-800-735-3503 for groups of ten or more. **Payment is due prior to the program.**

Fee includes seminar registration, a certificate of participation and an extensive digital resource handbook. The fee is the same for In-Person Seminars or Recorded Seminars.

For in-person seminars, 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.

Meeting Sites and Hotel Accommodations

Seminars will be held at the following sites:

- Champaign: Hilton Garden Inn, (217) 352-9970
- Chicago North: Holiday Inn – Elk Grove Village, (847) 437-6010
- Chicago South: DoubleTree – Alsip, (708) 371-7300
- St. Louis: Clayton Plaza Hotel – Clayton, (314) 726-5400

If needed, please make your own hotel reservations by calling the appropriate hotel listed above.

Cancellation/Substitutions:

100% of your paid registration fee will be refunded if you can't attend and notify us at least 10 days before the seminar. Late cancellations made prior to the event date will be refunded less a \$15 service fee. Substitutions may be made at any time without charge.

Further Questions

Call the Bureau of Education & Research (800) 735-3503 or visit us online at www.ber.org. The Bureau is North America's leading presenter of PD training for professional educators. Programs are based on sound research, are highly practical in content and consistently receive excellent evaluations.

Program Guarantee

We stand behind the high quality of our programs by providing the following unconditional guarantee: If you are not satisfied with this program, we'll give you a 100% refund of your registration fee.



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Using Models, Games and Routines to Increase Math Learning (Grades 3-6)



An outstanding one-day In-Person Seminar

Includes an extensive Resource Handbook

Can't Attend? A Recorded Version is available
 to use online at your convenience

Enhance Your Math Instruction to Increase Students' Learning (Grades 3-6)

MGD2W1



Using Models, Games and Routines to Increase Math Learning (Grades 3-6)

In-Person Seminar
 or Recorded Version



A Unique One-Day In-Person Seminar
 (Also available as a Recorded Online Version
 to Use at Your Convenience)

Presented by

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Outstanding Educator and National Presenter

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Engaging, easy-to-implement math games to **enhance all students' math skills**

Powerful, highly effective math models to enhance students' conceptual understanding of mathematical concepts

Engage your entire class in practical, manageable ways – from your struggling students to your most capable students