Thursday Morning Exhibitor Workshops

8:00 a.m.–9:00 a.m.

11.1 Solving2Succeeding: Building Problem Solvers for Tomorrow (Grades K–5)
3–5 Exhibitor Workshop
Indiana Convention Center, Room 130
Focus on building students’ problem solving and critical thinking skills with a progressing series of problems aligned to key math skills. Experience hand2mind’s year-long, daily routine of problem solving for grades K–5 that allows students to successfully solve and understand multistep problems in any situation!
hand2mind, Vernon Hills, Illinois

9:30 a.m.–10:30 a.m.

29.1 Accelerating Math Growth: Support Grade Level Practice and Unfinished Learning w/ Freckle K–12 Coaches/Leaders/Teacher Educators Exhibitor Workshop
Indiana Convention Center, Room 130
Increasingly, educators are being asked to accelerate learning. What does this mean? Basically, it means helping students master grade level content and skills while also helping them to master unlearned, prerequisite skills. In this workshop you’ll explore how Freckle Math makes this not only possible but easy and enjoyable as well.
Renaissance, Indianapolis, Indiana

9:30 a.m.–10:30 a.m.

29.2 Comic Books + Fractions = Engaged Students Coaches/Leaders/Teacher Educators Exhibitor Workshop
Indiana Convention Center, Room 131
Do your students love graphic novels and comic books? Our 4th–7th graders do, and they wouldn’t put down a math mystery comic book series that introduces key concepts needed for fraction division & multiplication. This workshop provides teachers with fun tools/ideas for comic books that build resilience and growth mindset for all learning levels.
Math Hero Comics, Columbus, Georgia

11:00 a.m.–12:00 p.m.

47.1 Connecting Coding to Algebra 10–12 Exhibitor Workshop
Indiana Convention Center, Room 130
Coding is a skill that is in high demand. But how does computational thinking connect to my math class? See how to promote critical thinking and boost engagement by using programming in your algebra classes. No prior programming experience is required.
Texas Instruments, Dallas, Texas

11:00 a.m.–12:00 p.m.

47.2 Assess Yourself: An Interactive Discussion on Student Mastery and Shared Assessment Strategies 6–8 Exhibitor Workshop
Indiana Convention Center, Room 131
The best part of conferences is learning from our peers. Join us for an interactive session where we’ll discuss the meaning of mastery and share our experiences and best practices when it comes to assessments. Also, get an inside look at the latest innovation in digital assessment resources—providing real-time insights in under 10 min. a week!
Mathspace, New York, New York
Thursday Afternoon Exhibitor Workshops

1:00 p.m.–2:00 p.m.

**60.1 Rich Secondary Mathematics Curricula Brought to You by CPM, an Educational Nonprofit!**

*8–10 Exhibitor Workshop*

Indiana Convention Center, Room 131

Looking for ideas to incorporate NCTM’s eight teaching practices? Let CPM show you! Our nonprofit provides rich mathematics curriculum that is student centered and problem based, encouraging thinking, persevering, and sense making with complimentary PD for teachers. Experience the excitement students do, exploring CPM’s grades 6–12 curriculum.

**CPM Educational Program**, Elk Grove, California

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1:00 p.m.–2:00 p.m.

**60.2 Using Manipulatives to Build Conceptual Understanding—Grades 6–8+ Algebra**

*6–8 Exhibitor Workshop*

Indiana Convention Center, Room 130

Deepen student understanding and build conceptual understanding using hands-on lessons for grades 6–8 and Algebra. Experience Hands-on Standards: Teaching Math with Manipulatives solution. These are standards-aligned lessons, involving manipulatives, that are engaging and easy to implement in whole class and small group settings.

**hand2mind**, Vernon Hills, Illinois

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1:00 p.m.–2:00 p.m.

**60.3 Break the Forgetting Cycle with Get More Math! Josh Britton Shares Long-term Retention Strategies.**

*General Interest Exhibitor Workshop*

Indiana Convention Center, Room 132

By the end of the school year, students have already forgotten many of their hard-won math concepts. How can we break the forgetting cycle and make math stick? In this session, veteran math teacher Josh Britton will share his proven model for driving long-term retention through use of Get More Math software.

**Get More Math**, Sonora, California

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2:30 p.m.–3:30 p.m.

**78.1 Transformational Graphing**

*10–12 Exhibitor Workshop*

Indiana Convention Center, Room 130

This session will use technology for inquiry to discover generalizations for graphing parent functions and their transformations. We’ll highlight a new video series that explores methods for learning to graph these transformations by hand. We’ll dive into multiple strategies to illustrate a variety of transformations for 16 parent functions.

**Texas Instruments**, Dallas, Texas

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2:30 p.m.–3:30 p.m.

**78.2 A New Way to Diagnose and Address Learning Needs for Every Student in the K–8 Classroom**

*Coaches/Leaders/Teacher Educators Exhibitor Workshop*

Indiana Convention Center, Room 131

We are always looking to help you obtain more actionable data and a clearer picture of where your students are in terms of understanding. Savvas Learning Company has partnered with WestEd to bring you new validated and normed assessments for use with our enVision Mathematics programs as well any Core Math Program for Grades K–8.

**Savvas Learning Company (formerly Pearson K12 Learning)**, Chandler, Arizona

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4:00 p.m.–5:00 p.m.

**96.1 When Modeling Gets Messy...Strategies to Help Students Discover New Approaches for Math Modeling**

*8–10 Exhibitor Workshop*

Indiana Convention Center, Room 130

HMH National Mathematics Content Specialist, Margo Dye, will share the “Spies and Analysts” mathematical modeling strategy. During this collaborative session, you’ll discover practical ways to get students “unstuck,” allowing them to persevere in modeling, which is key for problem solving in the secondary classroom. (Open Middle equations, too!)

**Houghton Mifflin Harcourt**, Highland, Indiana
Friday Morning Exhibitor Workshops

8:00 a.m.–9:00 a.m.
111.1 Building A Math Fluency Routine for Grades 6–8
6–8 Exhibitor Workshop
Indiana Convention Center, Room 130
How can you build a math fluency routine that develops number sense and efficiency, flexibility, and accuracy with operations in just 10 minutes a day? We’ll experience how number strings and math talks can increase your students’ confidence in mathematics with hand2mind’s Daily Math Fluency program.
hand2mind, Vernon Hills, Illinois

9:30 a.m.–10:30 a.m.
129.1 Curiosity and Exploration: Passing the Legacy to Our Students
10–12 Exhibitor Workshop
Indiana Convention Center, Room 130
How do we turn the phrase “Exploring our world through math” on its head? By exploring math through the world, we give students opportunities to engage with the questions they have about the world. Join us for this exciting session where we’ll explore the joy and beauty of math and consider ways to pass a legacy of curiosity to our students.
Texas Instruments, Dallas, Texas

9:30 a.m.–10:30 a.m.
129.3 Ready, Set. ENGAGE! An Interactive Chat on Creating Equitable Learning Opportunities in Math
6–8 Exhibitor Workshop
Indiana Convention Center, Room 132
Equitable instruction has proven to be wildly beneficial to students in all grades. But, how can we create an equitable learning environment in a math classroom? Join us for a chat where we’ll discover equitable learning opportunities in math, share our own experiences and come away with some great resources to use in your own classrooms!
Mathspace, New York, New York

9:30 a.m.–10:30 a.m.
129.2 The “R” in CRL (Culturally Responsive Learning)
Coaches/Leaders/Teacher Educators Exhibitor Workshop
Indiana Convention Center, Room 131
A critical aspect of Culturally Responsive Learning is selecting tasks that invite students to author and share their own ideas. Let’s experience how 3-Act Math tasks promote student agency and authorship of mathematical ideas where teachers actively respond to different student cultures, backgrounds, and ideas to drive instruction.
Savvas Learning Company (formerly Pearson K12 Learning), Chandler, Arizona

11:00 a.m.–12:00 p.m.
147.1 Playing with Quadratics in Standard Form and Other Curiosities
10–12 Exhibitor Workshop
Indiana Convention Center, Room 130
How can we engage our students in the beauty and wonder of mathematics? Often, we explore math in unusual places. But what about the puzzles that lie within mathematics itself? Come dive into interesting relationships within the world of Quadratics.
Texas Instruments, Dallas, Texas

NCTM Regional Conference & Exposition
Indianapolis • March 16–18, 2022
1:00 p.m.–2:00 p.m.

160.1 Games and Activities for Numerical Fluency
3–5 Exhibitor Workshop
Indiana Convention Center, Room 130
A fast-paced, highly motivating workshop designed to help teachers engage all students in the classroom experience. Games help students develop mathematical skills to increase their positive identities as thinkers and learners of math. Participants will play games and discuss how games may be adapted.
Big Ideas Learning, Erie, Pennsylvania

2:30 p.m.–3:30 p.m.

178.1 Building Math Fluency Routine for Grades K–5
3–5 Exhibitor Workshop
Indiana Convention Center, Room 130
How can you build a math fluency routine that develops number sense and efficiency, flexibility, and accuracy with operations in just 10 minutes a day? We’ll experience how number strings and math talks can increase your students’ confidence in mathematics with hand2mind’s Daily Math Fluency program.
hand2mind, Vernon Hills, Illinois