8:00–9:00 AM

12.1 Open Questions, Open Minds
*General Interest Exhibitor Workshop*

**CONTENT LEVEL:** Intermediate  
Seattle Convention Center, 612

Join us for this interactive workshop on open questions and discover how open questions help all students find a seat at the math table. You’ll learn how to create and implement open questions to build on that innate curiosity, giving it an openness to grow and flourish. Light breakfast will be provided.

**Presenter:** Heather Sander  
Savvas Learning Company, Paramus, New Jersey

8:00–9:00 AM

12.2 NBA Math Hoops — Creating the Next Math Champion

*6–8 Exhibitor Workshop*

**CONTENT LEVEL:** Introduction to the Topic  
Seattle Convention Center, 303

NBA Math Hoops leverages the game of basketball and the NBA/WNBA brands to build fundamental math and social-emotional skills through a basketball-themed board game, curriculum, and community program experience. Designed for students in grades 4-8, this free program strengthens important skills including self-regulation and executive functions.

**Learn Fresh,** Philadelphia, Pennsylvania

9:30–10:30 AM

36.1 Enhancing Mathematical Instruction with Models and Manipulatives in Elementary Math (K–6)

*3–5 Exhibitor Workshop*

**CONTENT LEVEL:** Introduction to the Topic  
Seattle Convention Center, 303

Students learn best as they verbalize and discuss mathematical thinking through the use of manipulatives. Come explore how students can work collaboratively and transform their learning through the Concrete, Pictorial/Representational, and Abstract (CPA/CRA) approach by using models and manipulatives in classrooms.

**STEMscopes Math & Math Nation,** Houston, Texas

9:30–10:30 AM

36.2 Introduction to Bridges in Mathematics Third Edition

*Coaches/Leaders/Teacher Educators Exhibitor Workshop*

**CONTENT LEVEL:** Introduction to the Topic  
Seattle Convention Center, 612

The Math Learning Center develops student-centered K–5 materials based on visual models and problem solving. Bridges in Mathematics Third Edition was created with equity in mind so students have choices, feel included, and can be heard. See how our relevant, open-ended tasks support student sensemaking and develop positive math identities.

**The Math Learning Center,** Salem, Oregon

11:00 AM–12:00 PM

60.1 Watson, I Have Found the Missing Link! Let Me Draw You a Picture! (K–5)

*PreK-2 Exhibitor Workshop*

**CONTENT LEVEL:** Introduction to the Topic  
Seattle Convention Center, 303

So, you invested time modeling with manipulatives, move to formal algorithms and students still make the same errors. This interactive session will reveal the missing link between manipulatives and formal symbolic algorithms. Focus will be on Addition and Subtraction.

**STEMscopes Math & Math Nation,** Houston, Texas

11:00 AM–12:00 PM

60.2 Help Students Get Regular Exercise for Their Math Brains with Daily Practice in XtraMath

*3–5 Exhibitor Workshop*

**CONTENT LEVEL:** Introduction to the Topic  
Seattle Convention Center, 612

Attention K6 Math Educators! Your students need to develop math fact fluency, but “Mad Minutes” isn’t fun, requires grading, are undifferentiated, and offer no insight into specifically where students struggle. With XtraMath, each student gets a personalized daily exercise, based on spaced repetition and the zone of proximal development.

**XtraMath,** Seattle, Washington
Thursday Afternoon

1:00–2:00 PM

84.1 Let’s Get Physical... With Mathematics
10–12 Exhibitor Workshop
CONTENT LEVEL: Introduction to the Topic
Seattle Convention Center, 303
Engaging students through hands-on explorations is a powerful way to facilitate the connection of ideas. Join us as we engage with data collection activities that can bring everyday mathematics to life and shed light on the underlying mathematical concepts.
Texas Instruments, Sachse, Texas

84.2 Derivita 101: Your Math Classes Reimagined with Derivita
10–12 Exhibitor Workshop
CONTENT LEVEL: Introduction to the Topic
Seattle Convention Center, 612
In this session you will see Derivita’s math test bank with 100,000+ math test items. SpotCheck -a real-time assessment tool, the ability to deliver automated and targeted feedback, the process of automated grading for free-response questions and more! Be prepared to participate for the chance to win a Derivita swag box!
Derivita, Salt Lake City, Utah

2:30–3:30 PM

108.1 Mathematical Problem Solving for All Students (K–5)
3–5 Exhibitor Workshop
CONTENT LEVEL: Introduction to the Topic
Seattle Convention Center, 303
Teaching students to reason and problem solve is the cornerstone of quality math instruction. This session will highlight several engaging strategies such as Three Reads, Numberless Word Problems, and more that will provide multiple entry points for all students to engage in the math and ignite a passion for problem solving in your classroom!
STEMscopes Math & Math Nation, Houston, Texas

108.2 Sparking Mathematical Curiosity and Conversation with Desmos
6–8 Exhibitor Workshop
CONTENT LEVEL: Introduction to the Topic
Seattle Convention Center, 612
For students to see themselves as mathematicians, they need to see math as a worthwhile pursuit worthy of engaging in discussion. When combined with best practices, technology such as Desmos can support students in identifying meaningful mathematical concepts and create a more inclusive classroom by sparking mathematical curiosity (NCTM, 2018).
Amplify Education, Brooklyn, New York

4:00–5:00 PM

132.1 Be Inspired With CPM’s New Curriculum Inspiring Connections!
10–12 Exhibitor Workshop
CONTENT LEVEL: Introduction to the Topic
Seattle Convention Center, 303
CPM has taken the latest research and created a new curriculum, Inspiring Connections. The innovative multimodal course fosters a more dynamic learning experience for students, featuring increased mobility, exposure to diverse perspectives, and enhanced ownership of their education. Students will utilize technology and print in tandem.
CPM Educational Program, Elk Grove, California

132.2 Intervention That Works: Using Kickstart: Number Sense Brings Joy to Math & Students to Grade Level
Pre-K–2 Exhibitor Workshop
CONTENT LEVEL: Intermediate
Seattle Convention Center, 612
Number Sense is the key to many core math skills, yet teachers don’t often have time to provide intervention to those who need it most. Kickstart: Number Sense is a small-group 60-day program written by a teacher and can be implemented right away. At NCTM, we are unveiling the brand-new 3rd Grade program! Join our session to get a sneak peek.
Zaner-Bloser, Columbus, Ohio
Friday Morning

EXHIBITOR WORKSHOPS

8:00–9:00 AM

157.1 An All-Access Pass to Meaningful Math
General Interest Exhibitor Workshop
CONTENT LEVEL: Intermediate
Seattle Convention Center, 612
Let’s investigate open tasks that invite all students into
the math. Discover how to incorporate the 5 Practices
for Orchestrating Productive Math Discussions by Smith
and Stein (2nd edition) in your classroom with ease and
have some fun while we are at it. Light breakfast will be
provided.
Presenter: Jenna Harden
Savvas Learning Company, Paramus, New Jersey

8:00–9:00 AM

157.2 MLB Players STEM League - Creating the Next
Math Champion
6–8 Exhibitor Workshop
CONTENT LEVEL: Introduction to the Topic
Seattle Convention Center, 303
In partnership with the MLB Players Trust, MLB Players
STEM League is a baseball-inspired program for students
in grades 4-8. The program brings to life the energy of
the sport through a board game and curriculum that
cultivate students’ math and social-emotional skills by
helping youth build new skills, confidence, and a passion
for learning.
Learn Fresh, Philadelphia, Pennsylvania

9:30–10:30 AM

180.2 Same and Different: What’s New in Bridges in
Mathematics Third Edition
Coaches/Leaders/Teacher Educators Exhibitor Workshop
CONTENT LEVEL: Introduction to the Topic
Seattle Convention Center, 612
The Math Learning Center develops student-centered
K–5 materials based on visual models and problem
solving. Join us to see how our latest curriculum, Bridges
in Mathematics Third Edition, expands representation,
increases engagement, and includes relevant, open-ended
tasks that support sensemaking and develop
positive math identities.
The Math Learning Center, Salem, Oregon

11:00 AM–12:00 PM

9:30–10:30 AM

204.1 Productive + Struggle = Student Success in
Mathematics (K–5)
3–5 Exhibitor Workshop
CONTENT LEVEL: Introduction to the Topic
Seattle Convention Center, 303
Are your math students hesitant when presented
with challenging tasks? Do they wait for you to rescue
them at the first signs of struggle? Discover the value
of productive struggle and explore key components
essential to building a classroom that fosters grit and
perseverance.
STEMscopes Math & Math Nation, Houston, Texas

204.1 Productive + Struggle = Student Success in
Mathematics (K–5)
3–5 Exhibitor Workshop
CONTENT LEVEL: Introduction to the Topic
Seattle Convention Center, 303
Are your math students hesitant when presented
with challenging tasks? Do they wait for you to rescue
them at the first signs of struggle? Discover the value
of productive struggle and explore key components
essential to building a classroom that fosters grit and
perseverance.
STEMscopes Math & Math Nation, Houston, Texas

157.3 Using Manipulatives and Models in Middle and High
School Math (6–12)
6–8 Exhibitor Workshop
CONTENT LEVEL: Introduction to the Topic
Seattle Convention Center, 303
Teachers will engage with a variety of manipulatives and
models from middle school and high school. Teachers
will receive instruction on how to use the manipulatives
and have a multi-targeted practice opportunity
with each of the manipulatives. The facilitator and
participants will discuss how to use these manipulatives
and models.
STEMscopes Math & Math Nation, Houston, Texas
Friday Morning

11:00 AM–12:00 PM

204.2 Math in Action: Enhancing Math Communities and Team Building (Grades 6–12)

Coaches/Leaders/Teacher Educators Exhibitor Workshop

CONTENT LEVEL: Introduction to the Topic
Seattle Convention Center, 612

Explore real-world authentic math tasks that offer students opportunities to apply mathematical concepts and techniques in everyday situations. Mathematics goes beyond numbers and formulas; it’s a powerful tool for real-world situations. Practical math projects not only helps apply math to the real world, but also improves their critical thinking.

Imagine Learning, Scottsdale, Arizona

11:00 AM–12:00 PM

204.3 The Power of Implementing Belonging Interventions in Secondary Mathematics

Coaches/Leaders/Teacher Educators Exhibitor Workshop

CONTENT LEVEL: Introduction to the Topic
Seattle Convention Center, 611

Belonging interventions have become ubiquitous in K-12 schools throughout the U.S., with a particular emphasis on social belonging. Building on the research of Drs. Catherine Goode, Josh Aronson, and others, we will discuss disciplinary (mathematical) belonging and how it leads to increased gains - and joy - for students in math.

Derivita, Salt Lake City, Utah

Friday Morning

EXHIBITOR WORKSHOPS

11:00 AM–12:00 PM

204.2 Math in Action: Enhancing Math Communities and Team Building (Grades 6–12)

Coaches/Leaders/Teacher Educators Exhibitor Workshop

CONTENT LEVEL: Introduction to the Topic
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Imagine Learning, Scottsdale, Arizona

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Derivita, Salt Lake City, Utah
Friday Afternoon

1:00–2:00 PM

227.2 Playing With Quadratics in Standard Form and Other Curiosities

10–12 Exhibitor Workshop

CONTENT LEVEL: In-Depth
Seattle Convention Center, 303

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, Sachse, Texas

1:00–2:00 PM

227.3 K-5 Teacher Imagine Learning Illustrative Mathematics “Make and Take” Math Center Workshop

Coaches/Leaders/ Teacher Educators Exhibitor Workshop

CONTENT LEVEL: Introduction to the Topic
Seattle Convention Center, 612

See how hands-on learning will increase engagement, the use of math process skills, and your students’ ability to build computational fluency. Let’s put our students at the “center” of your math classrooms! Leave with complete grade-math centers to use the very next day in your classroom.

Imagine Learning, Scottsdale, Arizona

2:30–3:30 PM

251.1 Ratios, Rates, and Percents, Oh My! (6–8)

6–8 Exhibitor Workshop

CONTENT LEVEL: Introduction to the Topic
Seattle Convention Center, 303

The study of ratios and proportional relationships begins in the 6th grade and is an integral foundation for the study of functions. In this hands-on inquiry-based session, participants will build a personal toolbox of effective problem-solving strategies that address ratio reasoning. We will feature double number lines, tape diagrams, and tables.

STEMscopes Math & Math Nation, Houston, Texas

2:30–3:30 PM

251.2 No More Mad Minutes! XtraMath Is a Better Way to Build Fact Fluency Than Timed Math Drills

PreK–2 Exhibitor Workshop

CONTENT LEVEL: Introduction to the Topic
Seattle Convention Center, 612

Attention K-6 Math Educators! Your students need to develop math fact fluency, but “Mad Minutes” isn’t fun, requires grading, are undifferentiated, and offer no insight into specifically where students struggle. With XtraMath, each student gets a personalized daily exercise, based on spaced repetition and the zone of proximal development.

XtraMath, Seattle, Washington