
Event Agenda

2026 School Science and Mathematics Association Annual Convention

Wednesday, November 04, 2026

Thursday, November 05, 2026

7:00 AM - 8:45 AM

Breakfast
Location: Adams Room

8:00 AM - 8:45 AM

Opening Session
Location: Adams Room

9:00 AM - 9:50 AM

Morning Breakout Sessions

What is Happening in Mathematics Classrooms: A Call for Research
9:00 AM - 9:50 AM
Location: Millenium Parlor
Speakers: Kate Raymond, Melissa Gunter

Integrated STEM Design: Maintaining Conceptual Focus in Science and Coding
9:00 AM - 9:50 AM
Location: Hancock Parlor
Speakers: Anna Bloodworth, Aida Alibek, Barbara Crawford, AnnaMarie Conner

Psychological Safety in STEM Classrooms: A Scoping Review
9:00 AM - 9:50 AM
Location: Medinah Parlor
Speaker: Megan Che

Sorting Through Mathematics Teaching Practices: How Teachers Characterize Their Own Practice
9:00 AM - 9:50 AM
Location: Grant Park Parlor
Speakers: Margeaux Smith, Trena Wilkerson

Beyond Productivity: A Time Literacy Framework for Equitable Undergraduate Time Management Support
9:00 AM - 9:50 AM
Location: Wrigley Parlor
Speakers: Yuhwa Hong, Darrell Earnest

9:00 AM - 10:15 AM

Morning Workshops

LOVE MATH: A One-Cut Journey into Mathematical Discovery
9:00 AM - 10:15 AM
Location: Water Tower Parlor
Speakers: Winnie Ko, Shannon Tassopoulos, Uzoma Eze

Branching Out: Leveraging Outdoor Spaces to Create Authentic K-5 STEM Learning Experiences
9:00 AM - 10:15 AM
Location: Spire Parlor
Speakers: Jelena Byers, Jessica Ivy, Destiny Carlisle

10:00 AM - 10:25 AM

Morning Breakout Sessions

A Comparative Analysis and Connections Across K-12 STEM and STEAM Frameworks

10:00 AM - 10:25 AM
Location: Hancock Parlor
Speakers: Alyssa Harbin, Sarah B. Bush, Daniel Edelen

From Classroom to Museum: Integrating Early Mathematics and Science Learning

10:00 AM - 10:25 AM
Location: Millenium Parlor
Speakers: Krystle Moos, Mandy Dunphy, Sandi Cooper

Categorizing Non-Routine Algebra Difficulties to Support STEM Learners

10:00 AM - 10:25 AM
Location: Medinah Parlor
Speakers: Eunmi Joung, Kuo-Liang Chang

Teaching Online Prealculus Courses Using a Flipped Instructional Model

10:00 AM - 10:25 AM
Location: Grant Park Parlor
Speakers: Sue Brown, Nelson Carter

Investigations into Place-based Lessons in Appalachia

10:00 AM - 10:25 AM
Location: Wrigley Parlor
Speakers: Sydeny Dunn, Will Tidwell

10:35 AM - 11:00 AM

Morning Breakout Sessions

The Impact of Mathematical Justifications on Conceptual Understanding

10:35 AM - 11:00 AM
Location: Wrigley Parlor
Speaker: Jessica Raley

Preservice Elementary Teachers Self-efficacy and Perceptions of Generative AI in STEM Education

10:35 AM - 11:00 AM
Location: Hancock Parlor
Speakers: Deepika Menon, Azatzhan Baitekov, Azadeh Hassani, Amanda Henson, Drishti Takoo, Babar Bajwa

A FRAMEWORK TO ASSESS PROSPECTIVE TEACHERS' ASSESSMENT OF STUDENT THINKING

10:35 AM - 11:00 AM
Location: Grant Park Parlor
Speakers: Nama Namakshi, Hiroko K Warshauer

Examining State Approaches to Priority Standards: A Qualitative Analysis

10:35 AM - 11:00 AM
Location: Millenium Parlor
Speaker: Ashley Schmidt

From Fearing to Envisioning: Mathematical Discourse and Teacher Identity

10:35 AM - 11:00 AM
Location: Medinah Parlor
Speaker: Yuhwa Hong

10:35 AM - 11:50 AM

Workshop

Does curiosity kill the cat? Exploring complex mathematics with young learners

10:35 AM - 11:50 AM
Location: Water Tower Parlor
Speakers: Cacey Wells, Lianne Jones

3, 2, 1â€¦ Blast Off! Engaging Engineers in the Powerful Effects of Productive Struggle

10:35 AM - 11:50 AM
Location: Spire Parlor
Speakers: Doris Fulwider, Liz Davison, Asenath Odondi

11:10 AM - 12:00 PM

Morning Breakout Sessions

Women in Science Education (WISE): A Case Study Exploring Four Women's Persistence in a STEM Pathway

11:10 AM - 12:00 PM

Location: Medinah Parlor

Speaker: Molly Weinburgh

Co-Teaching for Integrated STEM: Preparing Elementary PSTs to Design and Teach Solar Energy Lessons

11:10 AM - 12:00 PM

Location: Millenium Parlor

Speakers: Bethany LeLaurin, Selina Bartels

Rethinking Statistics Classrooms: A Quasi-Experimental Comparison of Interactive and Lecture-Based Instruction

11:10 AM - 12:00 PM

Location: Wrigley Parlor

Speaker: Brentley Bendewald

Exploring Elementary Teachers' Mathematics Curricular Use: Focus on Vision and Trust

11:10 AM - 12:00 PM

Location: Hancock Parlor

Speakers: Doris Fulwider, Bima Sapkota, Jill Newton, Bronwyn Rigsby

Can AI (Almost Intelligence!) Actually Help In A Math Class?

11:10 AM - 12:00 PM

Location: Grant Park Parlor

Speakers: Charles Emenaker, Yalcin Karatas

12:00 PM - 1:30 PM

Keynote/Lunch

Location: Adams Room

Speaker: Dr. Jingmai O'Connor

1:45 PM - 2:10 PM

Afternoon Breakout Sessions

Portrait of a STEM Agent: Equity-Oriented STEM Literacy in Action

1:45 PM - 2:10 PM

Location: Spire Parlor

Speakers: Kristin Cook, Craig Schroeder, Jessica Ivy, Cat Maiorca, Sarah B. Bush, Megan Burton, Thomas Roberts, Daniel Edelen, Margaret Mohr-Schroeder, Christa Jackson

Changing with the Times... Two New Assignments for Mathematics Methods

1:45 PM - 2:10 PM

Location: Wrigley Parlor

Speaker: Paula Stickles

Preservice teachers' task design with ChatGPT for teaching math through multiple representations

1:45 PM - 2:10 PM

Location: Grant Park Parlor

Speakers: Young Rae Kim, Mi Sun Park

Fostering Equity in STEAM Education: Preservice Teachers' Learning Through Biography Assignment

1:45 PM - 2:10 PM

Location: Millenium Parlor

Speakers: Elizabeth N. Forde, Aaron Isabelle, Nataly Goldfisch

Impacts of a Disease Ecology PD on Teacher Self-Efficacy and Instructional Practice

1:45 PM - 2:10 PM

Location: Medinah Parlor

Speakers: Rebekah Hammack, Tugba Box, Jamie Cornish

Preservice Teachers' Mathematical Knowledge for Teaching: Contextual Fraction Multiplication

1:45 PM - 2:10 PM

Location: Hancock Parlor

Speakers: Tegan Nusser, Bona Kang, Bima Sapkota, Brooke Krejci

2:20 PM - 2:45 PM

Afternoon Breakout Sessions

Navigating STEM Pathways: Beliefs About Mathematics and Women's STEM Identities

2:20 PM - 2:45 PM

Location: Spire Parlor

Speakers: Nancy Holincheck, Terrie Galanti, Tiffany Butler

Supporting Teachers' Mathematical Creativity, Content Knowledge, and Pedagogical Reasoning

2:20 PM - 2:45 PM

Location: Water Tower Parlor

Speakers: Ali Bicer, Mehmet Akif Colak, Tugce Aldemir, Jaehee Lauren Park, Jerik Eakins, Won Jung

Bridging the Research to Classroom Gap: A Metasynthesis of K-6 Mathematical Misconceptions

2:20 PM - 2:45 PM

Location: Hancock Parlor

Speakers: Fay Quiroz, Michelle Tudor

My Experience Teaching Mathematics in Elementary Schools as a Substitute Teacher

2:20 PM - 2:45 PM

Location: Grant Park Parlor

Speaker: Elaine Tuft

Mathematics Teachers' Leadership Interactions With Affirming Learning Walks

2:20 PM - 2:45 PM

Location: Medinah Parlor

Speaker: Angel Maldonado

Exploring factors that support students' learning in a social justice mathematics classroom

2:20 PM - 2:45 PM

Location: Millenium Parlor

Speakers: Waleed Raja, Anis Munfarikhatin

Instructional Design and Classroom Intervention in Mathematics Informed by Eye-Tracking

2:20 PM - 2:45 PM

Location: Wrigley Parlor

Speaker: Lyndee Govert

2:55 PM - 3:25 PM

Afternoon Breakout Sessions

Elementary preservice teachers' conceptual understanding of cascading hazards and wildfire disasters

2:55 PM - 3:25 PM

Location: Hancock Parlor

Speakers: Debika Jana, Merryn Cole

Anti-Racist Practices of Secondary Science Teachers Disrupting Anti-Black Racism

2:55 PM - 3:25 PM

Location: Grant Park Parlor

Speaker: Tiffany Butler

The Use of AI in Designing Mathematics Interventions for Students with Disabilities

2:55 PM - 3:25 PM

Location: Spire Parlor

Speakers: Mahtob Aquzade, Sebnem Tekin, Matthew Mauntel

Building Teacher Candidates'™ Mathematical Thinking Through Real World Applications

2:55 PM - 3:25 PM

Location: Wrigley Parlor

Speaker: Atinuke Adeyemi

Sensing Intervention Opportunities in Small-Group Mathematical Argumentation

2:55 PM - 3:25 PM

Location: Millenium Parlor

Speakers: Jennifer Kleiman, Ngutor Tembe

My journey with action research and problem-solving in an algebra class to link theory to practice

2:55 PM - 3:25 PM

Location: Medinah Parlor

Speaker: Ricki McKee

Argue with a Chatbot? Using Artificial Intelligence to Support Scientific Thinking and Reasoning

2:55 PM - 3:25 PM

Location: Water Tower Parlor

Speakers: Yin Hong Cheah, Bert Baumgaertner, Zethnouneay Dubois

3:35 PM - 4:05 PM

Fireside Chat/Snack

Location: Adams Room

4:15 PM - 4:40 PM

Afternoon Breakout Sessions

How are early number concepts revealed through kindergarten teachersâ€™ instructional enactment?

4:15 PM - 4:40 PM

Location: Millenium Parlor

Speaker: Andrea Martinez Bennett

A Spiderweb in Mendel's Garden: Secondary Teacher Decision-Making When Teaching Genetics

4:15 PM - 4:40 PM

Location: Grant Park Parlor

Speaker: Gracie Davis

Curriculum Fidelity and the Construction of a Reform-Oriented Science Teaching Identity

4:15 PM - 4:40 PM

Location: Hancock Parlor

Speakers: Richard Kozoll, Peter Ower

Repositioning perspectives on STEM education methodologies & methods: A discussion with you!

4:15 PM - 4:40 PM

Location: Water Tower Parlor

Speakers: Jonathan Bostic, Daniel Edelen, Thomas Roberts, Carlton Barker

Instructional Coherence in Preservice Teachers' Mathematics Questioning

4:15 PM - 4:40 PM

Location: Wrigley Parlor

Speaker: Jessie Store

Mathematics Research Experiences and Pre-Service Teachers' Conceptions of Proof

4:15 PM - 4:40 PM

Location: Spire Parlor

Speakers: David Barker, Oscar Chavez, Seyedehkhadijeh Azimi Asmaroud, Winnie Ko

Grand Challenges in STEM: Replicating UTeach-Inspired Problem-Based Learning in the Legacy Cycle

4:15 PM - 4:40 PM

Location: Medinah Parlor

Speakers: Martha Day, Melanie Owens

4:45 PM - 5:10 PM

Committee Meetings

Awards and Endowment

4:45 PM - 5:10 PM

Location: Hancock Parlor

Conventions

4:45 PM - 5:10 PM

Location: Water Tower Parlor

Finance

4:45 PM - 5:10 PM

Location: Wrigley Parlor

Membership

4:45 PM - 5:10 PM

Location: Spire Parlor

Nomination and Election

4:45 PM - 5:10 PM

Location: Medinah Parlor

Policy

4:45 PM - 5:10 PM

Location: Grant Park Parlor

Publications

4:45 PM - 5:10 PM

Location: Millenium Parlor

5:30 PM - 6:30 PM

Graduate Session

Friday, November 06, 2026

7:00 AM - 8:45 AM

Breakfast

Location: Adams Room

7:45 AM - 8:45 AM

Business Meeting and Awards

Location: Adams Room

9:00 AM - 9:50 AM

Morning Breakout Sessions

Digital Flowers: A Math-focused Integration of Probability and Inheritance in Game-based Genetics

9:00 AM - 9:50 AM

Location: Wrigley Parlor

Speakers: Hanan Alyami, Rebecca Palu

Design, Test, Revise: Engineering Design with Barbie Bungee in STEM Teacher Education

9:00 AM - 9:50 AM

Location: Medinah Parlor

Speakers: Melissa Donham, Andrea Foster

An overview of methodologies, methods, and approaches used in integrative STEM education research

9:00 AM - 9:50 AM

Location: Hancock Parlor

Speakers: Daniel Edelen, Jonathan Bostic, Thomas Roberts, Jamaal Young, Kuen-Yi (Mark) Li, Audrey Conway Roberts

Children's Map Drawing: Analyzing Visuospatial Reasoning Elements within a Summer Literacy Program

9:00 AM - 9:50 AM

Location: Grant Park Parlor

Speakers: Maria Eloisa Nuguid, Comfort Temitope Aje

Women Scholars in Mathematics and Integrated STEM: Focus on Experiences, Identities, and Resilience

9:00 AM - 9:50 AM

Location: Millenium Parlor

Speakers: Ricki McKee, Jill Newton, Bima Sapkota, Asenath Odondi

9:00 AM - 10:15 AM

Workshop

Ungrading: Undoing traditional assessment practices

9:00 AM - 10:15 AM

Location: Spire Parlor

Speakers: Cacey Wells, Michael Diaga

Robot Delivery: A Design Challenge for Integrated STEM and Supporting Collective Argumentation

9:00 AM - 10:15 AM

Location: Water Tower Parlor

Speakers: Anna Bloodworth, Ngutor Tembe, Webster Wong, Jennifer Kleiman, AnnaMarie Conner

10:00 AM - 10:25 AM

Morning Breakout Sessions

History of Mathematics in the Classroom: A Focus on Cultures

10:00 AM - 10:25 AM

Location: Wrigley Parlor

Speaker: Brian Evans

STEM SMART: Five Essential Life Skills Students Need for Their Future

10:00 AM - 10:25 AM

Location: Medinah Parlor

Speaker: Alan Zollman

The Impact of Chessboard Math on Students Attitudes and Understanding of Multiples in Grades 4 & 5

10:00 AM - 10:25 AM

Location: Hancock Parlor

Speakers: Yun-Chi Tsou, Kaun-Chun Chen, Chia-Jui Hsieh

Learning from Student Experiences in Mathematics across the Grades

10:00 AM - 10:25 AM

Location: Grant Park Parlor

Speakers: Melissa Gunter, Devon Gunter

A University-Based Pathway to Support STEM Majors' Exploration of K-12 Teaching

10:00 AM - 10:25 AM

Location: Millenium Parlor

Speakers: Terrie Galanti, Brian Lane, Caleb Speirs

10:35 AM - 11:00 AM

Morning Breakout Sessions

Culturally Responsive Pedagogy within Alternative Certification Math Teacher Preparation

10:35 AM - 11:00 AM

Location: Wrigley Parlor

Speaker: Brian Evans

SSMA Outstanding Early Career Award: Mathematics Standards: Examining Policy and its Effects on Mathematics Education

10:35 AM - 11:00 AM

Location: Grant Park Parlor

Speaker: Ashley Schmidt

Community Engaged STEM Partnerships

10:35 AM - 11:00 AM

Location: Millenium Parlor

Speakers: Jung Colen, Kristin Cook, Akhtar Mahmood, Sydney Bland

The Influence of Girls' Positioning on the Quality of a Small-Group Scientific Argumentation

10:35 AM - 11:00 AM

Location: Medinah Parlor

Speakers: Bongjun Kim, Rebekah Hammack

Perceptions of AI for STEM Instructional Practice: Insights from Inservice Elementary Teachers

10:35 AM - 11:00 AM

Location: Hancock Parlor

Speakers: Sumreen Asim, Deepika Menon, Shanza Malik, Jeanna Wieselmann, Sarah Haines

10:35 AM - 11:50 AM

Workshop

Hands-on Math for Environmental Problem Solving: Making Real-World Connections

10:35 AM - 11:50 AM

Location: Water Tower Parlor

Speaker: Jamie-Marie Miller

AI Workshop for Mathematics Teachers: From Task Design to Ethical Reflective Practice

10:35 AM - 11:50 AM

Location: Spire Parlor

Speaker: Ghan Shyam Joshi

11:10 AM - 12:00 PM

Morning Breakout Sessions

Integrative STEM Education: A pedagogy of personhood

11:10 AM - 12:00 PM

Location: Medinah Parlor

Speakers: Ashley Gess, Emily Driggers

Fostering Connection: Using AI to Develop Teacher Candidates' Discernment and Reflective Practice

11:10 AM - 12:00 PM

Location: Hancock Parlor

Speakers: Thomas Roberts, Holly Plank, Amber Lawson, Kate Brodeur, Karen Wilhelm, Stefanie Livers

Situated Reasoning and Math Self-Efficacy in a Dual Language Classroom

11:10 AM - 12:00 PM

Location: Wrigley Parlor

Speaker: Yuhwa Hong

Principles to practice: Strategies from an equitable and effective STEM education framework

11:10 AM - 12:00 PM

Location: Millenium Parlor

Speakers: Sean Yee, Kerry Brenner

Before the Room: Using AI to Rehearse the Mathematical Conversations That Matter Most

11:10 AM - 12:00 PM

Location: Grant Park Parlor

Speakers: Kwaku Adu-Gyamfi, Tony Thompson

12:00 PM - 1:30 PM

Lunch On Your Own

1:45 PM - 2:10 PM

Afternoon Breakout Sessions

Voices of Science Teachers and Administrators on Data-driven Instruction and Growth Mindset

1:45 PM - 2:10 PM
Location: Wrigley Parlor
Speaker: Jomel Montero

SSMA Connections Award: STEAM Unit for Transdisciplinary Teaching - Building Green Spaces

1:45 PM - 2:10 PM
Location: Medinah Parlor
Speaker: Jack Clines

1901-2026: 125 years of big ideas in mathematics education from SSMA

1:45 PM - 2:10 PM
Location: Grant Park Parlor
Speaker: Oscar Chavez

What Makes Math Fun? Preservice Teacher and Caregiver Perspectives on Family Math Night Activities

1:45 PM - 2:10 PM
Location: Hancock Parlor
Speakers: Kristi Martin, Sam Prough

Exploring One Rural Elementary Teachers' Problem Scoping Practices While Teaching Engineering

1:45 PM - 2:10 PM
Location: Spire Parlor
Speakers: Rudan Wang, Rebekah Hammack, Jenna Rae Gist

Not Too Small for Big Science: Complexity and Quantum in Elementary Classrooms

1:45 PM - 2:10 PM
Location: Millenium Parlor
Speakers: Nancy Holincheck, Jennifer Simons

1:45 PM - 3:00 PM

Workshop

Culturally Responsive Mathematics Teaching Practices Through Literacy: Exploring Mable MATHis

1:45 PM - 3:00 PM
Location: Water Tower Parlor
Speakers: Amanda Sawyer, Chelsey Bollinger

2:20 PM - 2:45 PM

Afternoon Breakout Sessions

Universal Design in STEM for Inclusive Early Childhood Classrooms

2:20 PM - 2:45 PM
Location: Medinah Parlor
Speakers: Bridget Miller, Christie Martin

Perceived Support Amongst STEM Teachers During and After COVID-19

2:20 PM - 2:45 PM
Location: Spire Parlor
Speakers: Meg Gambrell, Andreas Thompson, Dean Williams, Molly Weinburgh, Melissa Demetrikopolous, John Pecore

How Instructors Conceptualize Mathematical Proof in Introduction-to-Proof Courses

2:20 PM - 2:45 PM
Location: Hancock Parlor
Speakers: Winnie Ko, Eliza Baker, Abigail Craft, Shannon Tassopoulos, Uzoma Eze

Balancing Equations: Using Physical Models to Build Relational Thinking in Early Algebra

2:20 PM - 2:45 PM
Location: Wrigley Parlor
Speaker: Bethany LeLaurin

Lived Experiences of Rural STEM Teachers: A Photo Elicitation Study

2:20 PM - 2:45 PM
Location: Millenium Parlor
Speakers: Julie Mills, Clay Stanfield, Lisa Pogue, Sandra Hernandez, Pamela Capulong

2:20 PM - 3:10 PM

Afternoon Breakout Sessions

STEM Teachers and AI: Development and Validation of the Teacher AI Beliefs and Actions Scale

2:20 PM - 3:10 PM
Location: Grant Park Parlor
Speakers: Nancy Holincheck, Terrie Galanti

2:55 PM - 3:20 PM

Afternoon Breakout Sessions

Stress, Growth, and Everything Between: Exploring Pre-Service Teachers' Perceptions of edTPA

2:55 PM - 3:20 PM

Location: Millenium Parlor

Speakers: Lianne Jones, Cacey Wells, Kelly Womack-Adams

Ethnomodeling: A vehicle for catalyzing change in mathematics teacher preparation

2:55 PM - 3:20 PM

Location: Hancock Parlor

Speakers: Siddhi Soni, Alyssa Harbin, Trena Wilkerson

Exploring the Transformation: Preservice Teacher Identity Shifts in an Afterschool STEM Club

2:55 PM - 3:20 PM

Location: Spire Parlor

Speakers: Elizabeth N. Forde, Queshonda Kudaisi

Energy for everyone: Research Meets Social Justice Lessons

2:55 PM - 3:20 PM

Location: Wrigley Parlor

Speaker: Naomi Gutierrez

Enhancing the Validity of Probability Prompts Using Four Generative Artificial Intelligence Tools

2:55 PM - 3:20 PM

Location: Medinah Parlor

Speakers: Ayşe Fethiye Gemci, Amanda Sawyer

3:30 PM - 3:55 PM

Afternoon Breakout Sessions

Eliciting Mathematical Thinking: Teachers' Questioning During Read-Alouds

3:30 PM - 3:55 PM

Location: Spire Parlor

Speakers: Mahtob Aquzade, Laura Bofferding, Beatriz Ruiz Ordoez, Jelena Byers, Lisa Hawley

Math is hard & science is scary: Addressing math & science anxiety in preservice elementary teachers

3:30 PM - 3:55 PM

Location: Water Tower Parlor

Speakers: Merryn Cole, Travis Olson, Debika Jana, Sinead Pelleschi, Anthony Baidoo, Kenny Varner

On Fire or a Bear of a task: Mathematical Modeling Tasks and What's Worked For Me

3:30 PM - 3:55 PM

Location: Wrigley Parlor

Speaker: Will Tidwell

Representations of Mathematical Proof Across Major U.S. Standards Documents

3:30 PM - 3:55 PM

Location: Millenium Parlor

Speakers: Seyedehkhadijeh Azimi Asmaroud, Somya N Thakkar

Partnership Operationalizations and Configurations in Mathematics Education Research: Scoping Review

3:30 PM - 3:55 PM

Location: Hancock Parlor

Speakers: Lianne Jones, Megan Che, Colleen Eddy, Trena Wilkerson, Karen Enderle

The Precalculus Self-Efficacy Survey (PCSES): Development and Validation

3:30 PM - 3:55 PM

Location: Grant Park Parlor

Speakers: Nelson Carter, Sue Brown

SSMA Dissertation Award Virtual Session: Seeing Peers' Math Thinking: Online Videos for Fostering Student Noticing and Engagement

3:30 PM - 3:55 PM

Location: Medinah Parlor

Speaker: Ho-Chieh Lin

4:15 PM - 5:15 PM

Keynote

Location: Empire

Speaker: Phil Nicodemus

5:15 PM - 6:30 PM

Reception and Poster Session

Location: Empire

Student Engagement in a Role-Play-Based Mathematics Intervention for a Third Grader with Down Syndrome

5:15 PM - 6:30 PM

Location: Empire

Speaker: Michelle Donner

Elementary Teacher Candidates' Perception of Developmentally Sequenced Microteaching Sessions

5:15 PM - 6:30 PM

Location: Empire

Speakers: Jung Colen, Yong S. Colen

Paper Bags for the Chain Rule: Incorporating Manipulatives in Calculus

5:15 PM - 6:30 PM

Location: Empire

Speaker: Jennifer Buchholz

Mathematical Modeling-oriented integrated STEM (MoiSTEM): Conceptual Framework

5:15 PM - 6:30 PM

Location: Empire

Speaker: Dayat Hidayat

Validating TIPS and Considering its 3D Alignment

5:15 PM - 6:30 PM

Location: Empire

Speaker: Brooke Whitworth

From Experience to Aspiration: Black Students' Math Identities and Pathways in De-Streamed Classroom

5:15 PM - 6:30 PM

Location: Empire

Speaker: Chinyere Saka

Artificial Intelligence in the Professional Development of Mathematics Teachers: A Conceptual Review

5:15 PM - 6:30 PM

Location: Empire

Speaker: Ghan Shyam Joshi

Improving Undergraduate STEM Self-Efficacy and Communication in Mathematics and Data Science Courses

5:15 PM - 6:30 PM

Location: Empire

Speakers: Jesse Wilcox, Aidan Jones, Heidi Berger

Integrating Science & Literacy: Interdisciplinary Instruction for Elementary Preservice Teachers

5:15 PM - 6:30 PM

Location: Empire

Speakers: Bongjun Kim, Rebekah Hammack, Alison Warren

Cross-Disciplinary Undergraduate Research as a Model for STEM Integration

5:15 PM - 6:30 PM

Location: Empire

Speaker: Lacey Fitts

Rewriting the Narrative: Using Music as a Tool for Math Trauma Recovery

5:15 PM - 6:30 PM

Location: Empire

Speaker: Mario Hamilton

The Impact of Productive Struggle on Undergraduate Students' Math Attitudes and Achievement

5:15 PM - 6:30 PM

Location: Empire

Speaker: Liz Davison

Examining How GenAI-Mediated Interactions Engage Preservice Teachers in Problem-Posing

5:15 PM - 6:30 PM

Location: Empire

Speaker: Leyang (Lisa) Xu

Teaching STEM with Primary Sources: Exploring the history and development of technology with "STEPS"

5:15 PM - 6:30 PM

Location: Empire

Speaker: Joy Carpenter

Ximera vs. Traditional Textbooks in Linear Algebra: Implications for Passing Rates & Course Design

5:15 PM - 6:30 PM

Location: Empire

Speakers: Shannon Solis, Samuel Ivy

AI-Based Math Tools in Engineering: Perceptions & Actual Use via PLS-SEM

5:15 PM - 6:30 PM

Location: Empire

Speaker: Truc Chi Ho

Saturday, November 07, 2026

7:30 AM - 8:45 AM	Breakfast Location: Adams Room
9:00 AM - 9:25 AM	Morning Breakout Sessions Initial findings from reviewing K-12 mathematics literature focused on data visualization concepts 9:00 AM - 9:25 AM Location: Hancock Parlor Speakers: Shirley Matteson, Audrey Meador Designing a Community-Based Bus Stop: An Integrated STEM Lesson for Middle School Students 9:00 AM - 9:25 AM Location: Wrigley Parlor Speaker: Dayat Hidayat STEM Career Changers and Critical Reflection: Identity, Practice, and Equity 9:00 AM - 9:25 AM Location: Medinah Parlor Speaker: Jennifer Simons National Science Foundation funding: Current opportunities for STEM education research 9:00 AM - 9:25 AM Location: Millenium Parlor Speaker: Jonathan Bostic Authenticity in High School Mathematics: Negotiations, Tensions, and Classroom Realities 9:00 AM - 9:25 AM Location: Grant Park Parlor Speaker: Margeaux Smith SSMA Award for Excellence: STEM Rocks 9:00 AM - 9:25 AM Location: Spire Parlor Speakers: Margaret Mohr-Schroeder, Craig Schroeder, Megan Burton, Thomas Roberts, Cat Maiorca, Kristin Cook, Jessica Ivy, Christa Jackson, Sarah B. Bush
9:00 AM - 10:15 AM	Workshop Classroom Community under Construction 9:00 AM - 10:15 AM Location: Water Tower Parlor Speakers: Melissa Gunter, Jamie-Marie Miller, Katrina Rothrock
9:35 AM - 10:00 AM	Morning Breakout Sessions Mapping the Landscape of Environmental Education Professional Development 9:35 AM - 10:00 AM Location: Medinah Parlor Speakers: William Thornburgh, Baylee Hart Exploring the Relationship among Mathematical Writing, Number Talks, and Strategy Use 9:35 AM - 10:00 AM Location: Hancock Parlor Speakers: Christie Martin, Kristin Harbour, George Roy, Matt Cunningham Science PD and Problem-Based Learning: Effects on Student Efficacy, Interest, and Motivation 9:35 AM - 10:00 AM Location: Grant Park Parlor Speakers: Martha Day, Michael Starling Beyond Computational Thinking: Preservice Teachers' Perceptions of Bio-Inspired Robots for K-6 STEM 9:35 AM - 10:00 AM Location: Millenium Parlor Speakers: Deeksha Seth, Jeffery Radloff

10:10 AM - 10:35 AM

Morning Breakout Sessions

A Structural Equation Modelling of STAAR Science Performance for Equitable Learning Outcomes

10:10 AM - 10:35 AM

Location: Grant Park Parlor

Speaker: Jomel Montero

Learning Science in Action: Using Examples and Non-Examples to Deepen Math and Science Understanding

10:10 AM - 10:35 AM

Location: Millenium Parlor

Speakers: Andrea Foster, Kristi Martin

InCREDible Decisions: Investigating a Teacher's Changes to Their Lesson Plan in Enactment

10:10 AM - 10:35 AM

Location: Hancock Parlor

Speakers: Alisa Chung, Jenna Rae Gist, Rebekah Hammack

Investigating Factors Impacting Preservice Elementary Teachers iSTEM Identity Development

10:10 AM - 10:35 AM

Location: Spire Parlor

Speakers: Azadeh Hassani, Ursula Nguyen, Fatemeh Ashrafabadi, Deepika Menon, Amanda Henson

Rehumanizing Mathematics Classrooms: Empowering Problem Solvers through Affective Pedagogies

10:10 AM - 10:35 AM

Location: Wrigley Parlor

Speaker: Asenath Odondi

Problem Posing as Instruction for Creativity: Thinking Classrooms vs. Structured Taxonomies

10:10 AM - 10:35 AM

Location: Medinah Parlor

Speaker: Mehmet Akif Colak

10:45 AM - 11:10 AM

Morning Breakout Sessions

The Landscape of Environmental Education Providers in the Southeastern USA

10:45 AM - 11:10 AM

Location: Hancock Parlor

Speakers: William Thornburgh, Baylee Hart

Elementary Students' Progression of Written Mathematical Arguments

10:45 AM - 11:10 AM

Location: Spire Parlor

Speakers: Madelyn Colonnese, Christie Martin, Fabiana Cardetti

Leveraging Experiential Learning to Deepen Understanding of the Statistical Investigation Cycle

10:45 AM - 11:10 AM

Location: Medinah Parlor

Speaker: Michael Diaga

From Sensors to Speed: Two Motion-Based Activities for Proportional Reasoning

10:45 AM - 11:10 AM

Location: Wrigley Parlor

Speaker: Ho-Feng Chueh

Weaving Ethnomodeling into Mathematics Teacher Education

10:45 AM - 11:10 AM

Location: Millenium Parlor

Speaker: Siddhi Soni

Success and Challenges of developing STEM Teachers in High-Needs School Districts

10:45 AM - 11:10 AM

Location: Water Tower Parlor

Speakers: Cliff Chestnut, Kayla Myers, Rebecca Gault, Andrea Crenshaw, Rebecca Bowman

Taking Stock of Opportunities to Learn Time in Elementary Math and Science

10:45 AM - 11:10 AM

Location: Grant Park Parlor

Speakers: Darrell Earnest, Yuhwa Hong