

Session No.	Date	Time	Room	Session Title	Speakers	Type	Content Level	Audience	Strands
<b>Wednesday, February 7</b>									
1	2/7	5:30 PM	Ballroom 6E	Opening Session: Embracing All through Mathematics: Putting Value and Belonging at the Core	Abel Maestas, Cathery Yeh, Filiberto Barajas-Lopez, Hanaa Elmi, Pamela	Session	Introduction	General	
<b>Thursday, February 8</b>									
2	2/8	7:15 AM	4C4	Regional Conference Overview and Orientation	NCTM Board of Directors	Workshop	Introduction	General	
3	2/8	8:00 AM	4C2	Inclusive and Engaging Teaching Strategies That Develop All Students Into Mathematical Thinkers	Danielle Curran	Session	Intermediate	Pre-K to 2	Fostering Belonging and Value
4	2/8	8:00 AM	611	Math Storytelling in PreK-Grade 2 Classrooms	Janice Novakowski	Session	Introduction	Pre-K to 2	Valuing Students' Authentic Funds of Knowledge
5	2/8	8:00 AM	4C3	Making Sense of Math: Strategies That Stick	Katie Madigan, Jason Cvach	Session	Introduction	3 to 5	Valuing Students' Authentic Funds of Knowledge
6	2/8	8:00 AM	618/620	Linking Mathematics to Science & Literacy for ALL Learners	Dee Leible	Session	Introduction	6 to 8	Developing Effective Advocacy Practices
7	2/8	8:00 AM	Ballroom 6B	Making Math Matter - It's All About Engagement!	Laura Bamberger	Session	Intermediate	6 to 8	Valuing Students' Authentic Funds of Knowledge
10	2/8	8:00 AM	Ballroom 6C	Building Belonging Communities That Transform Equity Into Self-Efficacy	Elisabeth Bankhead, Lochani Senia	Session	Introduction	General	Developing Effective Advocacy Practices
11	2/8	8:00 AM	201	Enliven Your Geometry Lessons with Art!	Beenish Iqbal, Rebecca Borowski	Session	Introduction	General	Valuing Students' Authentic Funds of Knowledge
12	2/8	8:00 AM	Ballroom 6E	The Rock and Roll of Mathematics!	Sunil Singh	Session	In-Depth	General	Developing Effective Advocacy Practices
12.1	2/8	8:00 AM	612	Open Questions, Open Minds	Sawas Learning Company	Exhibitor Workshop	Intermediate	General	Eliminating Barriers to Inspire Creative Pathways
12.2	2/8	8:00 AM	303	NBA Math Hoops - Creating the Next Math Champion	Rebecca Wong	Exhibitor Workshop	Introduction	6 to 8	Fostering Belonging and Value
13	2/8	8:00 AM	204	Dipping into Data Science: Positioning Young Learners to Understand and Explain Their World	Mary Hosten	Workshop	Introduction	Pre-K to 2	Valuing Students' Authentic Funds of Knowledge
14	2/8	8:00 AM	613/614	Growing Young Children's Sense of Belonging, Empathy, and Justice with Community-Based Math Modeling	Julia Aguirre, Elzena McVicar, Tanna Tingstad, Maria Franchino-Minami, Janaki Nagarajan	Workshop	Introduction	Pre-K to 2	Valuing Students' Authentic Funds of Knowledge
15	2/8	8:00 AM	3A	Making Math a Festival: Student Engagement	Laurie James, Nick Rauh	Workshop	Introduction	3 to 5	Valuing Students' Authentic Funds of Knowledge
16	2/8	8:00 AM	3B	Math in Action: Utilizing a Career-Oriented NCTM Toolkit in Your Classroom	Corinne Day	Workshop	Introduction	3 to 5	Fostering Belonging and Value
17	2/8	8:00 AM	608	Advancing Algebraic Thinking	Brian Beaudrie, Barbara Boschmans	Workshop	Intermediate	6 to 8	Valuing Students' Authentic Funds of Knowledge
18	2/8	8:00 AM	604	Leveraging Technology to Unleash the Potential of Peer Tutoring in Math Education	Soren Rosier, Haddie Lueddeke, Kreg Moccia	Workshop	Introduction	6 to 8	Using Innovative Technology
19	2/8	8:00 AM	211	Activating Agency for Emerging Multilingual Learners	Brianna Ruiz, Susan Hoffmier	Workshop	Introduction	8 to 10	Valuing Students' Authentic Funds of Knowledge
20	2/8	8:00 AM	607	Mathropology - (Math and Anthropology) - Topics and Activities That Enhance Interest and Equity.	Richard Bramer	Workshop	Introduction	8 to 10	Fostering Belonging and Value
21	2/8	8:00 AM	606	Standards-Based Grading in Math Classes: How Does It Work and How Does It Foster Student Belonging?	Sean Nank	Workshop	Introduction	8 to 10	Improving Students' Sense of Value and Belonging
22	2/8	8:00 AM	609	Fair Divisions: Life at the Intersection of Mathematics and Politics	Nancy Woller, Abby Ross, Andy Larsen	Workshop	Introduction	10 to 12	Valuing Students' Authentic Funds of Knowledge
23	2/8	8:00 AM	4C4	The Thinking Classroom in Calculus	Elizabeth Stafford, Thomas Splisbury	Workshop	Intermediate	10 to 12	Fostering Belonging and Value
24	2/8	8:00 AM	307/308	Leading from Within - Improving the Instructional System While Remaining in the Classroom	Thomas Stricklin, Adam Varnes, Brent McClain	Workshop	In-Depth	Coaches/Leaders/Teacher Educators	Fostering Belonging and Value
25	2/8	8:00 AM	602/603	Shifting Teacher Mindset and Practice to Shatter the Illusion of Learning and Grow Mathematicians	Jana Sanchez, Kathy Trosvig	Workshop	Introduction	Coaches/Leaders/Teacher Educators	Fostering Belonging and Value
26	2/8	9:30 AM	615/617	From Textbook Problems to Culturally Relevant Math Tasks: Centering Student Experiences	Bryan Street, Jeff Freiberg, Claire Engelhard, Taylor King, Chloe Reed	Session	Introduction	Pre-K to 2	Valuing Students' Authentic Funds of Knowledge
27	2/8	9:30 AM	611	Math Play Is for EVERY Classroom	Molly Daley, Tawny Malone	Session	Introduction	Pre-K to 2	Fostering Belonging and Value
28	2/8	9:30 AM	2AB	Teaching Using Quilts and the Underground Railroad	Chris Haren	Session	Introduction	3 to 5	Valuing Students' Authentic Funds of Knowledge
30	2/8	9:30 AM	618/620	Culturally Relevant Teaching and Social Media: Connecting Statistics to Students' Identities	Lesa Covington Clarkson, Jialu Fan	Session	Intermediate	8 to 10	Valuing Students' Authentic Funds of Knowledge
31	2/8	9:30 AM	Ballroom 6B	Scoring and Grading - Where Does an "A" End and a "B" Begin?	Brent McClain, Tom Stricklin	Session	Intermediate	10 to 12	Developing Effective Advocacy Practices
32	2/8	9:30 AM	201	Solving the Algebra 2 Problem: Washington's Approach to Developing Modern Algebra 2	Arlene Crum, Ted Coe	Session	Intermediate	10 to 12	Eliminating Barriers to Inspire Creative Pathways

Session No.	Date	Time	Room	Session Title	Speakers	Type	Content Level	Audience	Strands
33	2/8	9:30 AM	Ballroom 6C	Answers to Your Questions About Routines That Build Thinking and Foster Equity	Fred Dillon	Session	Introduction	Coaches/Leaders/Teacher Educators	Eliminating Barriers to Inspire Creative Pathways
34	2/8	9:30 AM	4C2	Implementing an Equity Framework: First Year Lessons Learned	Elissa Farmer, Pamela Seda, Kyndall Brown	Session	Introduction	Coaches/Leaders/Teacher Educators	Developing Effective Advocacy Practices
35	2/8	9:30 AM	Ballroom 6A	Problem Strings: An Instructional Routine for ALL Students	Pamela Harris	Session	Intermediate	General	Valuing Students' Authentic Funds of Knowledge
36	2/8	9:30 AM	Ballroom 6E	CANCELLED: Strategies to Prioritize Student Ideas	Mario Valdez	Session	Intermediate	General	Valuing Students' Authentic Funds of Knowledge
36.1	2/8	9:30 AM	303	Enhancing Mathematical Instruction with Models and Manipulatives in Elementary Math (K-6)	Angela Campana	Exhibitor Workshop	Introduction	3 to 5	Valuing Students' Authentic Funds of Knowledge
36.2	2/8	9:30 AM	612	Introduction to Bridges in Mathematics Third Edition	Patrick Vennebush	Exhibitor Workshop	Introduction	Coaches/Leaders/Teacher Educators	Valuing Students' Authentic Funds of Knowledge
37	2/8	9:45 AM	606	Make It Count: Imagine, Explore, and Discover Math in the PK-2 Classroom	Arcy Alafa, Kim Webb	Workshop	Introduction	Pre-K to 2	Valuing Students' Authentic Funds of Knowledge
38	2/8	9:45 AM	307/308	CANCELLED: Create a Positive Mathematical Mindset in ALL Students Using Empathy and Modifications.	Angelia Cargill	Workshop	Introduction	3 to 5	Fostering Belonging and Value
39	2/8	9:45 AM	602/603	Number Talks, Enhanced for Multilingual Learners	Jana Dean, Heather Byington	Workshop	Introduction	3 to 5	Fostering Belonging and Value
40	2/8	9:45 AM	4C4	Students' Rights to Have Wonderful Mathematical Ideas: An Equity and Social Justice Perspective	Olga Torres	Workshop	Introduction	3 to 5	Fostering Belonging and Value
41	2/8	9:45 AM	204	The Power of ADHD: Unleashing the Strengths of ADHD Learners in the Intermediate Math Classroom	Lindsay Kapek, Katrina Tabari	Workshop	Intermediate	3 to 5	Valuing Students' Authentic Funds of Knowledge
42	2/8	9:45 AM	613/614	Geospatial Pathways in Math Class	Dee Leible	Workshop	Introduction	6 to 8	Using Innovative Technology
43	2/8	9:45 AM	609	Building Deep Mathematical Learning and Belonging Through Mathematical Modeling	Grace Kelemanik, Amy Lucenta	Workshop	Intermediate	8 to 10	Valuing Students' Authentic Funds of Knowledge
44	2/8	9:45 AM	3B	Embedding Mathematical Uncertainty into Problematic Instruction	Emily Starrett	Workshop	Introduction	8 to 10	Valuing Students' Authentic Funds of Knowledge
45	2/8	9:45 AM	604	Factoring Activities to Promote Growth in the Math Practices	Nolan Fossum	Workshop	Intermediate	8 to 10	Valuing Students' Authentic Funds of Knowledge
46	2/8	9:45 AM	608	Collaborative Calculus: Ensuring Contributions from All Students	Megan Alexander	Workshop	Intermediate	10 to 12	Valuing Students' Authentic Funds of Knowledge
47	2/8	9:45 AM	607	Project-Based Learning for Statistics: Connecting Real-World Issues to the New 2+1 Pathway	T Russell Hanes	Workshop	Intermediate	10 to 12	Eliminating Barriers to Inspire Creative Pathways
48	2/8	9:45 AM	307/308	Change Agents: Leverage Your Sphere of Influence to Impact Mathematics Teaching and Learning	Mona Toncheff	Workshop	Introduction	Coaches/Leaders/Teacher Educators	Developing Effective Advocacy Practices
51	2/8	11:00 AM	4C2	Collective Math Legacy: Exploring Communal Math Knowledge with Young Mathematicians	Hanaa Elmi	Session	Introduction	3 to 5	Valuing Students' Authentic Funds of Knowledge
52	2/8	11:00 AM	618/620	Reframing How We Think About Math Intervention	Janaki Nagarajan	Session	Introduction	3 to 5	Developing Effective Advocacy Practices
54	2/8	11:00 AM	Ballroom 6A	An Introduction to Mathematics for Social Justice	Lidia Gonzalez	Session	Introduction	8 to 10	Fostering Belonging and Value
55	2/8	11:00 AM	2AB	Pythagoras, Music, and the Mathematics of Harmony	Greta Mills	Session	Intermediate	10 to 12	Using Innovative Technology
56	2/8	11:00 AM	611	The Reckoning, Rumble, and Revolution: Charting Modern High School Pathways in Oregon	Mark Freed	Session	Introduction	10 to 12	Eliminating Barriers to Inspire Creative Pathways
57	2/8	11:00 AM	Ballroom 6B	Let's Talk Tasks: The Important Intersection of Culturally Relevant and Cognitively Demanding Tasks	Abigail Ruiz, Diane DelliBovi	Session	Introduction	Coaches/Leaders/Teacher Educators	Fostering Belonging and Value
58	2/8	11:00 AM	201	The Effects of Instructional Coaching on Mathematics Teaching and Student Learning	Shannon Panfilio-Padden, Keith Krone	Session	In-Depth	Coaches/Leaders/Teacher Educators	Developing Effective Advocacy Practices
59	2/8	11:00 AM	Ballroom 6C	More Than Show and Tell: Using Student Work and Purposeful Questions to Deepen Student Mathematical Understanding	Susan Loveless	Session	Intermediate	General	Valuing Students' Authentic Funds of Knowledge
60.1	2/8	11:00 AM	303	Watson, I Have Found the Missing Link! Let Me Draw You a Picture! (K-5)	Angela Campana	Exhibitor Workshop	Introduction	Pre-K to 2	Valuing Students' Authentic Funds of Knowledge
60.2	2/8	11:00 AM	612	Help students get regular exercise for their math brains with daily practice in XtraMath.	Roy King	Exhibitor Workshop	Introduction	3 to 5	Using Innovative Technology
61	2/8	11:30 AM	3B	Five Tips That Make the Difference: Success Stories for Students Who Are Neurodiverse	Joleigh Honey	Burst	Introduction	3 to 5	Fostering Belonging and Value
62	2/8	11:30 AM	211	Triangles, Rectangles, and Squares! Oh My! Assessing Students' Levels of Geometric Reasoning	Thomas Fox	Burst	Introduction	3 to 5	Improving Students' Sense of Value and Belonging
63	2/8	11:30 AM	604	Building Student-Teacher Relationships Through the Curriculum	Karen Hugh	Burst	Introduction	6 to 8	Fostering Belonging and Value

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64	2/8	11:30 AM	609	Fun With Baseball Analytics. How One Public School Fifth-Grade Used Data to Understand the Game	wendy gibson, Jessica Maras	Burst	Introduction	6 to 8	Valuing Students' Authentic Funds of Knowledge
65	2/8	11:30 AM	602/603	What Do Fish Tanks, Compatible Groupings, Scheduling, and Coloring Have in Common?	Mary McMahon	Burst	Introduction	6 to 8	Valuing Students' Authentic Funds of Knowledge
66	2/8	11:30 AM	204	Optimizing Optimization: Empowering Student Participation in Calculus Optimization Problems	Peter Klosterman	Burst	In-Depth	10 to 12	Valuing Students' Authentic Funds of Knowledge
67	2/8	11:30 AM	3A	CANCELLED: Three Interventions for Improving Assessments	Rachel Vale	Burst	Introduction	10 to 12	Improving Students' Sense of Value and Belonging
68	2/8	11:30 AM	613/614	Improv Pedagogy: The 11 Rules of Comedy and What They Teach Us About Student-Centered Instruction	Matthew Stokes	Burst	Introduction	Coaches/Leaders/Teacher Educators	Developing Effective Advocacy Practices
69	2/8	11:30 AM	4C4	Breaking Down Barriers to Success by Integrating Mathematical Modeling Into Your Classroom	Kayla Blyman, Benjamin Galluzzo	Burst	Introduction	General	Eliminating Barriers to Inspire Creative Pathways
70	2/8	11:30 AM	307/308	Dismantling Power Dynamics: Making Purposeful Connections Between Funds of Knowledge and Mathematics	Sophie Kasahara, Alyssa Kasahara	Burst	Introduction	General	Valuing Students' Authentic Funds of Knowledge
71	2/8	11:30 AM	606	Just Trust Me! Using Multi-Sensory Learning to Inspire All Students	Elizabeth Peyser	Burst	Introduction	General	Valuing Students' Authentic Funds of Knowledge
72	2/8	11:30 AM	608	What's Wrong with the 7's Vibe? Using Questioning Strategies to Differentiate in the Gen-Z Classroom	Caleb Austin	Burst	Introduction	General	Valuing Students' Authentic Funds of Knowledge
73	2/8	11:30 AM	607	1+2 Does Not Equal 'Beyond-IM3:' Centering the Math Experiences of Black High Schoolers	Kirk Rogers, Jr.	Burst	Introduction	Research	Fostering Belonging and Value
74	2/8	1:00 PM	4C3	Counting With Families and Communities to Support Early Learning	Elham Kazemi	Session	Introduction	Pre-K to 2	Developing Effective Advocacy Practices
75	2/8	1:00 PM	611	Embedding Equity in Equations: How Social Justice Transforms Elementary Math Curriculum	Brandon Farrar	Session	Introduction	3 to 5	Developing Effective Advocacy Practices
76	2/8	1:00 PM	615/617	Natural Math Thinking	Jason Holloway	Session	Introduction	3 to 5	Eliminating Barriers to Inspire Creative Pathways
77	2/8	1:00 PM	4C2	Stronger and Clearer: Exploring the Benefits of Rough Draft Math in Middle School	Tim Chalberg, Casey Moore	Session	Introduction	6 to 8	Fostering Belonging and Value
78	2/8	1:00 PM	2AB	Concrete Fading with Tape Diagrams and Its Effects on Students in Algebra I	Lisa Chen	Session	Introduction	8 to 10	Valuing Students' Authentic Funds of Knowledge
79	2/8	1:00 PM	Ballroom 6C	Thin Sliced Translations Using TI Graphing Technology	Andrew Walter	Session	Introduction	8 to 10	Using Innovative Technology
80	2/8	1:00 PM	618/620	Engaging Students in Activity-Based Statistics	Tracy Pratt, Nicholas Koberstein	Session	Introduction	10 to 12	Using Innovative Technology
81	2/8	1:00 PM	201	Supporting Learners with Effective Feedback	Holly Anthony	Session	Intermediate	10 to 12	Improving Students' Sense of Value and Belonging
82	2/8	1:00 PM	Ballroom 6E	'I've Learned to Respect the Power of Love!' An Inspiring Guide to Creating Relevant Mathematics Experiences	Lou Matthews	Session	Introduction	General	Developing Effective Advocacy Practices
83	2/8	1:00 PM	Ballroom 6A	I Teach, We Learn: It Takes a Village!	Valerie Wilson	Session	Introduction	General	Fostering Belonging and Value
84	2/8	1:00 PM	Ballroom 6B	Visualizing Meaningful Algebra for All: Achievement, Access, Identity, and Power	Nicole Fonger	Session	In-Depth	General	Developing Effective Advocacy Practices
84.1	2/8	1:00 PM	303	Let's get physical... with mathematics	Curtis Brown	Exhibitor Workshop	Introduction	10 to 12	Using Innovative Technology
84.2	2/8	1:00 PM	612	Derivita 101: Your Math Classes Reimagined with Derivita	Arianna Irwin	Exhibitor Workshop	Introduction	10 to 12	Using Innovative Technology
85	2/8	1:00 PM	608	Beyond Literature Connections: Storytelling in Math	Teresita Cuesta	Workshop	Intermediate	Pre-K to 2	Valuing Students' Authentic Funds of Knowledge
86	2/8	1:00 PM	4C4	Finding Our Roots: Connecting Elementary Children to the Natural World Through Math	Amanda Fox, Martina Carestiato, Claudia Canu-Fautre	Workshop	Intermediate	Pre-K to 2	Valuing Students' Authentic Funds of Knowledge
87	2/8	1:00 PM	607	BIPOC Teacher Gathering: Transforming Mathematics Classrooms Through Our Pedagogical Expertise	Elzena McVicar, Shaniah Bivens, Laura Miller, Tracie Bratcher	Workshop	Intermediate	3 to 5	Developing Effective Advocacy Practices
88	2/8	1:00 PM	604	Fractions Are Friends, Not Food	Anna Scholl, Nicole Whitty	Workshop	Introduction	3 to 5	Using Innovative Technology
89	2/8	1:00 PM	204	Differentiate the Questions, NOT the Task	Susan Hoffmier	Workshop	Intermediate	6 to 8	Valuing Students' Authentic Funds of Knowledge
90	2/8	1:00 PM	211	Strings, Cheese, Pi, Tau, and Radians: Building Conceptual Understanding of Circles	Rebecca Borowski	Workshop	Intermediate	6 to 8	Valuing Students' Authentic Funds of Knowledge
92	2/8	1:00 PM	307/308	Differentiated Assessment: A Simple Technique for Reaching and Teaching ALL Learners	Cary Hoste	Workshop	Introduction	8 to 10	Improving Students' Sense of Value and Belonging
93	2/8	1:00 PM	602/603	Going Deep! Using Student Discourse to Advance Student Thinking to the Next Level	Orson Spencer, Dawn Barson	Workshop	Intermediate	8 to 10	Valuing Students' Authentic Funds of Knowledge
94	2/8	1:00 PM	3A	Increase Student Agency by Healing Math Trauma	Joshua Bean	Workshop	Introduction	8 to 10	Developing Effective Advocacy Practices

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95	2/8	1:00 PM	613/614	Cruising Through Precalculus: A Project-Based Approach to Teaching Modeling and Vocabulary	Thomas Leisten	Workshop	Intermediate	10 to 12	Valuing Students' Authentic Funds of Knowledge
96	2/8	1:00 PM	606	Our Math Roots: Exploring Ethnomathematics and the Non-European History of Math in Secondary Content	Rebecca Guarino, Carol Kinney, Benjamin Rubenstein	Workshop	Intermediate	10 to 12	Fostering Belonging and Value
97	2/8	1:00 PM	609	Forming Collaborative Partnerships to Benefit Pre-K-8 Students' Senses of Belonging in Mathematics Classrooms	Shannon Panfilio-Padden, Addy Wissel	Workshop	Intermediate	Coaches/Leaders/Teacher Educators	Developing Effective Advocacy Practices
98	2/8	2:30 PM	Ballroom 6B	Small Group Lessons Are Great, But What Are the Other Students Doing?	Laney Sammons	Session	Introduction	3 to 5	Valuing Students' Authentic Funds of Knowledge
99	2/8	2:30 PM	4C2	Using CGI and Graphic Organizers to Teach Problem Solving to Neurodivergent Students	Jennifer Bond, Joseph Sencibaugh	Session	Introduction	3 to 5	Eliminating Barriers to Inspire Creative Pathways
100	2/8	2:30 PM	2AB	Student-Created Videos: Using Technology to Increase Student Ownership and Validate Student Voice.	Drew Ishii, Joe DiOrio	Session	Introduction	8 to 10	Using Innovative Technology
102	2/8	2:30 PM	4C3	Write On! Integrate Writing into the Mathematics Classroom	William Kujawa	Session	Intermediate	10 to 12	Improving Students' Sense of Value and Belonging
103	2/8	2:30 PM	618/620	Leveraging Mathematics Adoption to Initiate Systemic Change for Access, Equity, and Empowerment	Kathy Trosvig, Jana Sanchez	Session	Introduction	Coaches/Leaders/Teacher Educators	Developing Effective Advocacy Practices
104	2/8	2:30 PM	201	When $1 + 1 \neq 2$ : Paired Observations for Professional Growth	Breedeen Pickford-Murray	Session	Intermediate	Coaches/Leaders/Teacher Educators	Fostering Belonging and Value
105	2/8	2:30 PM	615/617	Everyone Belongs - Especially Teachers!	Karin Lee, Jordan Smith Jr.	Session	Introduction	General	Fostering Belonging and Value
106.1	2/8	2:30 PM	Ballroom 6A	The R in CRL (Culturally Responsive Learning)	Nicole Erdelyi, Andrea Baker	Session	Introduction	General	Fostering Belonging and Value
107	2/8	2:30 PM	Ballroom 6E	Humanizing Assessment: Partnering with Students Through a Portfolio Model	Shelbi Cole, Michelle Sperling, Kevin Liner, Shelley Cox, Cherlinca Boyd	Session	Intermediate	General	Eliminating Barriers to Inspire Creative Pathways
108	2/8	2:30 PM	Ballroom 6C	Math Strong: Building on Five Equity-Based Practices That Impact Identity in K-12 Mathematics	Julia Aguirre, Karen Mayfield-Ingram	Session	Introduction	General	Developing Effective Advocacy Practices
108	2/8	2:30 PM	Ballroom 6C	Math Strong: Building on Five Equity-Based Practices That Impact Identity in K-12 Mathematics	Julia Aguirre, Karen Mayfield-Ingram	Session	Introduction	General	Developing Effective Advocacy Practices
108.1	2/8	2:30 PM	303	Mathematical Problem Solving for All Students (K-5)	Angela Campana	Exhibitor Workshop	Introduction	3 to 5	Valuing Students' Authentic Funds of Knowledge
108.2	2/8	2:30 PM	612	Sparking Mathematical Curiosity and Conversation with Desmos	Kristen Weirich	Exhibitor Workshop	Introduction	6 to 8	Using Innovative Technology
109	2/8	2:45 PM	607	Counting Collections - Enhancing a Favorite Mathematical Routine With a Focus of Belonging	Marlana Sears Gudgel, Elizabeth Lawson, Jaime Rosa	Workshop	Introduction	Pre-K to 2	Valuing Students' Authentic Funds of Knowledge
110	2/8	2:45 PM	606	Mathematical Fluency: Do It Fast and Get It Right? It Entails So Much More!	Pamela Smith	Workshop	In-Depth	Pre-K to 2	Valuing Students' Authentic Funds of Knowledge
112	2/8	2:45 PM	211	Turning the "Light Switch On/Off" to Open Agency, Authority, and Identity	Lauren Sawyer	Workshop	Intermediate	3 to 5	Valuing Students' Authentic Funds of Knowledge
113	2/8	2:45 PM	602/603	A Roadmap for Integrated ELD + Math	Kelli Statham	Workshop	Introduction	6 to 8	Valuing Students' Authentic Funds of Knowledge
114	2/8	2:45 PM	3B	Guided Language and Math Stories	David Buitenveld, Heather Byington	Workshop	Introduction	6 to 8	Valuing Students' Authentic Funds of Knowledge
115	2/8	2:45 PM	3A	Be a Mathematician! Helping Your Students Use Patterns to Discover Formulas	John Halmi	Workshop	Intermediate	8 to 10	Valuing Students' Authentic Funds of Knowledge
116	2/8	2:45 PM	204	Using Purposely Ambiguous Patterns to Encourage Student Discussion	Kate Degner	Workshop	Intermediate	8 to 10	Valuing Students' Authentic Funds of Knowledge
117	2/8	2:45 PM	307/308	Advanced Algebra With Financial Applications: An Algebra 2 Alternative and/or Elective for All	Richard Sgroi	Workshop	Introduction	10 to 12	Eliminating Barriers to Inspire Creative Pathways
118	2/8	2:45 PM	609	Exploring and Modeling Linear Relationship in Real-World Phenomena	Deependra Budhathoki, Bhesh Mainali	Workshop	Intermediate	10 to 12	Valuing Students' Authentic Funds of Knowledge
119	2/8	2:45 PM	613/614	Using Data to Visualize and Understand Global Warming	Nicholas Koberstein	Workshop	Intermediate	10 to 12	Using Innovative Technology
120	2/8	2:45 PM	608	Interrogating Practices of Inequity by Analyzing Video Cases and Protocols for Professional Learning	Nalline Baliram, Robin Henrikson, Tamara Smith	Workshop	Intermediate	Coaches/Leaders/Teacher Educators	Developing Effective Advocacy Practices
121	2/8	2:45 PM	604	Mentor Teachers and Student Teachers Co-Learning About Equity-Oriented Math Instruction	Torrey Kulow, Jenne Khorvash, Taylor Stafford	Workshop	Introduction	Coaches/Leaders/Teacher Educators	Fostering Belonging and Value
122	2/8	4:00 PM	2AB	Change Your Students' Perceptions of Themselves as Mathematicians With One Move: Student Choice	Andrea Jostol	Session	Introduction	3 to 5	Eliminating Barriers to Inspire Creative Pathways
123	2/8	4:00 PM	201	Differentiating Between Desirable and Undesirable Uncertainties	Emily Starrett	Session	Introduction	6 to 8	Eliminating Barriers to Inspire Creative Pathways

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124	2/8	4:00 PM	611	Maximizing the Development of Proportional Reasoning: Effective Instructional Strategies	Brad Fulton, Bernard Guglberger	Session	Intermediate	6 to 8	Valuing Students' Authentic Funds of Knowledge
125	2/8	4:00 PM	4C3	Using Culturally Relevant Math Modeling to Connect Students with the Community	Betty Routhouska, Ken Keech, Nicole Fonger	Session	Intermediate	8 to 10	Valuing Students' Authentic Funds of Knowledge
126	2/8	4:00 PM	615/617	What If Napoleon Had Used Quadrilaterals?	Raymond Klein	Session	Intermediate	8 to 10	Using Innovative Technology
127	2/8	4:00 PM	Ballroom 6B	Financial Literacy for Seniors for Today and Tomorrow	James Schierer	Session	Introduction	10 to 12	Using Innovative Technology
128	2/8	4:00 PM	Ballroom 6A	Creating an Equitable Pathway to Increase Access for Algebra in Middle Grades	Jennifer Czarnecki, Kelly Shereyk, Corey Morrison	Session	Introduction	Coaches/Leaders/Teacher Educators	Fostering Belonging and Value
129	2/8	4:00 PM	618/620	Video Club as a Tool for Supporting Teachers' Attention to Student Language	Kiera Brodsky Chase, Vinci Daro	Session	Introduction	Coaches/Leaders/Teacher Educators	Valuing Students' Authentic Funds of Knowledge
130	2/8	4:00 PM	Ballroom 6E	Discover, Describe, and Develop Mathematical Thinking	Kurt Salisbury	Session	Intermediate	General	Fostering Belonging and Value
132.1	2/8	4:00 PM	303	Be Inspired with CPM's new curriculum Inspiring Connections!	Rebecca Meeker	Exhibitor Workshop	Introduction	6 to 8	Improving Students' Sense of Value and Belonging
132.2	2/8	4:00 PM	612	Intervention That Works: Using Kickstart: Number Sense Brings Joy to Math & Students to Grade Level	Keleigh Eisen	Exhibitor Workshop	Intermediate	Pre-K to 2	Valuing Students' Authentic Funds of Knowledge
133	2/8	4:30 PM	607	Argument Writing and Mathematical Practices for Fourth to Sixth Graders With Learning Challenges	Sharlene Kiuahara, Malynda Tolbert	Burst	Introduction	3 to 5	Fostering Belonging and Value
134	2/8	4:30 PM	606	From 1 to 10: How to Use Cuisenaire Rods From K-6	Danielle Krueger, Kristi Pramuka	Burst	Introduction	3 to 5	Valuing Students' Authentic Funds of Knowledge
135	2/8	4:30 PM	604	Stop the Madness: Striving for Emotional Equity in the Math Classroom	Elizabeth Kleiber	Burst	Intermediate	3 to 5	Developing Effective Advocacy Practices
136	2/8	4:30 PM	204	A Multicultural History of Math: Integrating DEI into a Fun Math Elective Class	Sarah Vandivort	Burst	Introduction	6 to 8	Fostering Belonging and Value
137	2/8	4:30 PM	609	Finding Math in Art and Art in Math	Angela Ensminger	Burst	Introduction	6 to 8	Valuing Students' Authentic Funds of Knowledge
138	2/8	4:30 PM	608	Math or Magic? Exploring the Math-Magic Behind Number Tricks	Shefali Nanavati	Burst	Intermediate	6 to 8	Valuing Students' Authentic Funds of Knowledge
139	2/8	4:30 PM	602/603	"Why-Cause?" Building Bridges Between Students' Lives and Math Class	Ryan Colon	Burst	Intermediate	8 to 10	Valuing Students' Authentic Funds of Knowledge
140	2/8	4:30 PM	3A	Building Meaningful Mathematics Pathways for High School Students	Kelli Statham	Burst	Introduction	10 to 12	Eliminating Barriers to Inspire Creative Pathways
141	2/8	4:30 PM	613/614	Algebraic Thinking Starts in Kindergarten. Let's See It!	Jacqueline Palmquist	Burst	Intermediate	Coaches/Leaders/Teacher Educators	Valuing Students' Authentic Funds of Knowledge
142	2/8	4:30 PM	211	Authentic Assessments at the Intersection of Science and Math	David Seay	Burst	Introduction	Coaches/Leaders/Teacher Educators	Developing Effective Advocacy Practices
143	2/8	4:30 PM	3B	Learning to Teach Geometry: Bringing Equity with Computational Thinking and Scratch in Grades 2-6	Rupam Saran	Burst	Introduction	Coaches/Leaders/Teacher Educators	Using Innovative Technology
144	2/8	4:30 PM	307/308	Leveraging School Leadership to Implement Equitable Math Instruction	Elissa Farmer, Karl Meyer	Burst	Introduction	Coaches/Leaders/Teacher Educators	Developing Effective Advocacy Practices
145	2/8	4:30 PM	4C4	Foster Math Identity Through Authentic Financial Applications	Jack Marley-Payne, Philip Dituri, Andrew Davidson	Burst	Introduction	General	Eliminating Barriers to Inspire Creative Pathways
<b>Friday, February 9</b>									
147	2/9	8:00 AM	611	A Holistic Approach to Assessing Mathematical Processes in the Early Years	Jarrett Laughlin, Lisa Lunney-Borden	Session	Intermediate	Pre-K to 2	Improving Students' Sense of Value and Belonging
148	2/9	8:00 AM	2AB	Alternative Algorithmic Techniques for Improving Procedural Fluency and Enriching Adaptive Reasoning	Joseph Sencibaugh, Jennifer Bond	Session	Introduction	3 to 5	Improving Students' Sense of Value and Belonging
149	2/9	8:00 AM	4C2	Instructional Practices to Support Access and Productive Struggle for Students With Disabilities	Katherine Lewis	Session	Intermediate	3 to 5	Valuing Students' Authentic Funds of Knowledge
150	2/9	8:00 AM	4C3	Empowering Diverse Math Learners Through the Mathematical Practices	Pamela Seda	Session	Intermediate	6 to 8	Improving Students' Sense of Value and Belonging
151	2/9	8:00 AM	201	Taking the Hundreds Chart from Kindergarten to Algebra	Brad Fulton, Bernard Guglberger	Session	Intermediate	8 to 10	Valuing Students' Authentic Funds of Knowledge
152	2/9	8:00 AM	Ballroom 6B	CANCELLED: Using Real TikTok Trends to Add Authenticity to an IM Exponential Growth Task	Anna Weltman, Shelley Cox, Cherlinca Boyd	Session	Intermediate	8 to 10	Valuing Students' Authentic Funds of Knowledge
153	2/9	8:00 AM	618/620	Surviving a Zombie Apocalypse: Modeling an Epidemic	Greta Mills	Session	Intermediate	10 to 12	Using Innovative Technology

Session No.	Date	Time	Room	Session Title	Speakers	Type	Content Level	Audience	Strands
154	2/9	8:00 AM	615/617	Exploring Edtech Tools with the ISTE Seal Indicators: An Interactive Workshop	Autumn Ottenad	Session	In-Depth	Coaches/Leaders/Teacher Educators	Using Innovative Technology
155	2/9	8:00 AM	Ballroom 6A	Tips for Transforming Our Classrooms	Joleigh Honey	Session	Intermediate	Coaches/Leaders/Teacher Educators	Fostering Belonging and Value
156	2/9	8:00 AM	Ballroom 6C	Did Money Create Math? The Intertwined History of Math and Finance	Andrew Davidson, Philip Dituri, Jack Marley-Payne	Session	Introduction	General	Eliminating Barriers to Inspire Creative Pathways
157	2/9	8:00 AM	Ballroom 6E	Integrating Restorative Justice into Mathematics Instruction: An Equity-Centered Approach	Shante' Stuart McQueen	Session	Introduction	General	Fostering Belonging and Value
157.1	2/9	8:00 AM	612	An All-Access Pass to Meaningful Math	Sawas Learning Company	Exhibitor Workshop	Intermediate	General	Eliminating Barriers to Inspire Creative Pathways
157.2	2/9	8:00 AM	303	MLB Players STEM League - Creating the Next Math Champion	Rebecca Wong	Exhibitor Workshop	Introduction	6 to 8	Fostering Belonging and Value
158	2/9	8:00 AM	3A	CANCELLED: Empowering ALL Students through Rich, Real-World Problem Solving: Equitable Strategies in K-2	Andrea Wood, Denise McDowell	Workshop	Intermediate	Pre-K to 2	Valuing Students' Authentic Funds of Knowledge
159	2/9	8:00 AM	307/308	The Power of Silence: Teaching More by Talking Less	Kathleen Jalalpour	Workshop	Intermediate	Pre-K to 2	Fostering Belonging and Value
160	2/9	8:00 AM	204	CANCELLED: Be Both Author and Illustrator of Mathematical Understanding	Jill Gough	Workshop	Introduction	3 to 5	Valuing Students' Authentic Funds of Knowledge
161	2/9	8:00 AM	608	How to Make Problem-Solving Routine	John SanGiovanni	Workshop	Intermediate	3 to 5	Fostering Belonging and Value
162	2/9	8:00 AM	606	From Bell to Bell: Engaging Students the Whole Class Through	Fawn Nguyen	Workshop	Intermediate	6 to 8	Valuing Students' Authentic Funds of Knowledge
163	2/9	8:00 AM	602/603	Using Mathematical Language Routines To Foster Belonging And Value In All Students	Evan Spellman	Workshop	Introduction	6 to 8	Fostering Belonging and Value
164	2/9	8:00 AM	607	Building Authentic Projects With Community Partners	Charles Slusher, Joe Sneed	Workshop	Introduction	8 to 10	Valuing Students' Authentic Funds of Knowledge
165	2/9	8:00 AM	4C4	CANCELLED: Rethinking Grading for the Thinking Classroom	Gayle Kovacevic-Roberts, David Breese	Workshop	Intermediate	8 to 10	Improving Students' Sense of Value and Belonging
165.1	2/9	8:00 AM	4C4	HOW are students brilliant? Noticing and Naming Math Strengths in the Moment	Lisa Jilk, Estelle Woodbury	Workshop	Introduction	8 to 10	Fostering Belonging and Value
166	2/9	8:00 AM	211	Stats for Multiple Pathways	Leslie McDonald, Cory Cloud	Workshop	Introduction	8 to 10	Valuing Students' Authentic Funds of Knowledge
167	2/9	8:00 AM	3B	A Curriculum of Nonroutine Problems: A Process-Oriented Approach to the CCMP and Math Education	Robert London	Workshop	Introduction	10 to 12	Valuing Students' Authentic Funds of Knowledge
168	2/9	8:00 AM	613/614	Three Labs for AP Calculus	Jessica Bolz	Workshop	In-Depth	10 to 12	Valuing Students' Authentic Funds of Knowledge
169	2/9	8:00 AM	604	Reimagining High-Quality Instruction: Working Toward Equitable x Essential Learning	Jennie Beltramini, Aly Martinez, Astrid Fossum	Workshop	Intermediate	Coaches/Leaders/Teacher Educators	Fostering Belonging and Value
170	2/9	8:00 AM	609	The Mathematical Practices as a Tool to Ensure Belonging	Kris Raitzer, Michelle Jackson	Workshop	Intermediate	Coaches/Leaders/Teacher Educators	Fostering Belonging and Value
170.1	2/9	8:00 AM	204	360 Degree Math: Equity, Engagement, Achievement for ALL	Sean Kavanaugh	Workshop	Introduction	Coaches/Leaders/Teacher Educators	Valuing Students' Authentic Funds of Knowledge
171	2/9	9:30 AM	Ballroom 6A	Students as Mathematicians: Making Use of SMP7 and SMP8 for Grades K-2	Jonelle Godfrey	Session	Intermediate	Pre-K to 2	Fostering Belonging and Value
172	2/9	9:30 AM	201	Math for All: Fostering Belonging by Allowing Access for All Learners	Amy Withers, Karen Rothschild	Session	Introduction	3 to 5	Fostering Belonging and Value
173	2/9	9:30 AM	615/617	Whose Knowledge? Strategies for Incorporating Students' Funds of Knowledge and Agency	Cathery Yeh, Jeff Freiberg, Claire Engelhard, Taylor King, Lologo Lologo Lologo	Session	Introduction	3 to 5	Valuing Students' Authentic Funds of Knowledge
174	2/9	9:30 AM	Ballroom 6B	Mathematical Modeling in Pre-Existing K-12 Engineering Activities	Latanya Robinson	Session	Introduction	6 to 8	Valuing Students' Authentic Funds of Knowledge
175	2/9	9:30 AM	611	Using Students' Languages, Realities, and Feedback in Mathematics	Ally Lewis	Session	Introduction	6 to 8	Fostering Belonging and Value
176	2/9	9:30 AM	4C2	Pillars & Practices: Ungrading to Catalyze Change at the Margins	Nolan Fossum	Session	Intermediate	8 to 10	Improving Students' Sense of Value and Belonging
176.1	2/9	9:30 AM	2AB	What Is Algebra II? Why Is It Important?	Gail Burrill	Session	In-Depth	10 to 12	Eliminating Barriers to Inspire Creative Pathways
177	2/9	9:30 AM	4C3	Think, Design, Refine: Shifting Mathematical Mindset Through Instructional Practice	Carolyn Ferrero	Session	Intermediate	Coaches/Leaders/Teacher Educators	Eliminating Barriers to Inspire Creative Pathways
178	2/9	9:30 AM	Ballroom 6E	Let's Talk About Writing for MTLT!	Clayton Edwards, Ksenija Simic-Muller	Session	Introduction	General	Developing Effective Advocacy Practices
179	2/9	9:30 AM	Ballroom 6C	The Best Way to Improve Student Performance in Math Is to Improve Our Ability to Give Good Feedback	Teryn Thomas, Stephanie Layson	Session	Intermediate	General	Fostering Belonging and Value

Session No.	Date	Time	Room	Session Title	Speakers	Type	Content Level	Audience	Strands
180	2/9	9:30 AM	618/620	I Changed How I Teach Calculus With Incredible Results! See How.	Christine Larson	Session	Intermediate	Higher Education	Valuing Students' Authentic Funds of Knowledge
180.1	2/9	9:30 AM	303	Using Manipulatives and Models in Middle and High School Math (6-12)	Angela Campana	Exhibitor Workshop	Introduction	6 to 8	Valuing Students' Authentic Funds of Knowledge
180.2	2/9	9:30 AM	612	Same and Different: What's New in Bridges in Mathematics Third Edition	Patrick Vennebush	Exhibitor Workshop	Introduction	Coaches/Leaders/Teacher Educators	Valuing Students' Authentic Funds of Knowledge
181	2/9	9:45 AM	604	Oracy and Numeracy Are Friends: The Power of Photo Chats to Promote Early Mathematical Learning	Jie-Qi Chen, Rebeca Itzkowich	Workshop	Intermediate	Pre-K to 2	Fostering Belonging and Value
182	2/9	9:45 AM	3A	Show Up and Show Off: Mathematical Practices 1, 3 and 4 in Action	Labonnie Smith	Workshop	Intermediate	Pre-K to 2	Valuing Students' Authentic Funds of Knowledge
183	2/9	9:45 AM	307/308	Deepen Mathematical Learning by Connecting Representations: We Learn the Most 'In-Between'	Sara Delano Moore	Workshop	Intermediate	3 to 5	Valuing Students' Authentic Funds of Knowledge
184	2/9	9:45 AM	609	Elevating Student Voice and Sense of Belonging Through Assessments	Kim Webb, Arcy Alafa	Workshop	Introduction	3 to 5	Improving Students' Sense of Value and Belonging
185	2/9	9:45 AM	607	A Call for Empathy in Mathematics	James McCue, Ben Owens, Margaret Borden	Workshop	Intermediate	6 to 8	Developing Effective Advocacy Practices
186	2/9	9:45 AM	606	Build Your Students' Agencies and Belonging With Number Talks	Jacqueline Palmquist, Sue Ellen Vozza, Patricia Baltzley	Workshop	Introduction	8 to 10	Fostering Belonging and Value
187	2/9	9:45 AM	602/603	Fostering Student Agency, Belonging, and Engagement Through Math Action Technology	Sean Nank, Jaclyn Murawska	Workshop	Introduction	8 to 10	Using Innovative Technology
188	2/9	9:45 AM	608	Using a Children's Book With Pages That Change in Size to Deepen Math Learning One Page at a Time	Ron Lancaster	Workshop	Introduction	8 to 10	Valuing Students' Authentic Funds of Knowledge
189	2/9	9:45 AM	204	A Structure Where Students Thrive	Travis Lemon	Workshop	Intermediate	10 to 12	Valuing Students' Authentic Funds of Knowledge
190	2/9	9:45 AM	3B	Making Algebra Personal and Captivating: Creating a Project-Based Algebra Class	Justin Cotter	Workshop	Intermediate	10 to 12	Valuing Students' Authentic Funds of Knowledge
191	2/9	9:45 AM	613/614	Mathematics, Social Justice, Advocacy, and Belonging	Ken Keech, Betty Routhouska, Nicole Fonger	Workshop	Intermediate	10 to 12	Developing Effective Advocacy Practices
192	2/9	9:45 AM	211	Field Rotations: Fostering A Sense Value and Belonging in Pre-Service Teachers	Udita Gupta	Workshop	In-Depth	Coaches/Leaders/Teacher Educators	Fostering Belonging and Value
195	2/9	11:00 AM	201	CANCELLED: We BELONG Together: Cultivating a Math Space Where ALL Students Can THRIVE	Dawn Williams	Session	Intermediate	6 to 8	Fostering Belonging and Value
196	2/9	11:00 AM	4C2	XplusWhy: Projects That Connect Algebra to Real Life	Daveen Meyers, Jeanette King	Session	Introduction	8 to 10	Valuing Students' Authentic Funds of Knowledge
196.1	2/9	11:00 AM	2AB	Data and Data Science: Core and Beyond	Gail Burrill, Thomas Dick	Session	Introduction	10 to 12	Valuing Students' Authentic Funds of Knowledge
197	2/9	11:00 AM	Ballroom 6A	Mathigon Polypad: An Awesome Digital Mathematical Playground	Mark Kreie	Session	Introduction	10 to 12	Using Innovative Technology
198	2/9	11:00 AM	4C3	What is the Point of Points? A Better Way to Assess Student Learning in Mathematics.	Douglas Guyette	Session	Intermediate	10 to 12	Improving Students' Sense of Value and Belonging
200	2/9	11:00 AM	618/620	Embracing Artificial Intelligence in the Classroom	Taajah Witherspoon, Erica Littleton	Session	Introduction	Coaches/Leaders/Teacher Educators	Using Innovative Technology
201	2/9	11:00 AM	615/617	Below the Tip of the Iceberg: Student Interviews/Learning Trajectories to Transform Math Intervention	Anne Gallagher	Session	Introduction	General	Improving Students' Sense of Value and Belonging
202	2/9	11:00 AM	Ballroom 6B	Creating Welcoming Spaces in Mathematics Through the Lens of Indigenous Worldviews	Florence Glanfield	Session	Introduction	General	Fostering Belonging and Value
203	2/9	11:00 AM	Ballroom 6E	Our Children Are Not Numbers: Humanizing Mathematics Assessment and Grading Practices	Jody Guarino, Shelbi Cole, Michelle Sperling	Session	Intermediate	General	Improving Students' Sense of Value and Belonging
204	2/9	11:00 AM	Ballroom 6C	Social Justice Through Mathematics Instruction	Monique Harrison, Jessica Tufts	Session	Introduction	General	Developing Effective Advocacy Practices
204.1	2/9	11:00 AM	303	Productive + Struggle = Student Success in Mathematics (K-5)	Angela Campana	Exhibitor Workshop	Introduction	3 to 5	Valuing Students' Authentic Funds of Knowledge
204.2	2/9	11:00 AM	612	Math in Action: Enhancing Math Communities & Team-Building (Grades 6 - 12)	Anya Dalkin	Exhibitor Workshop	Introduction	Coaches/Leaders/Teacher Educators	Valuing Students' Authentic Funds of Knowledge
204.3	2/9	11:00 AM	611	The Power of Implementing Belonging Interventions in Secondary Mathematics	Arianna Irwin	Exhibitor Workshop	Introduction	Coaches/Leaders/Teacher Educators	Fostering Belonging and Value
205	2/9	11:30 AM	602/603	Building Confidence in Mathematics Through Productive Participation	Laurie James	Burst	Introduction	3 to 5	Developing Effective Advocacy Practices

Session No.	Date	Time	Room	Session Title	Speakers	Type	Content Level	Audience	Strands
206	2/9	11:30 AM	606	Engaging Elementary Students in Self-Assessment Through Math Rubrics	Carolyn Mitten	Burst	Introduction	3 to 5	Improving Students' Sense of Value and Belonging
207	2/9	11:30 AM	609	Pom-Pom Math: Supporting Multi-Digit Computation Through Hands-On, Rigorous Place Value Play	Lindsay Kapek, Katrina Tabari	Burst	Introduction	3 to 5	Valuing Students' Authentic Funds of Knowledge
208	2/9	11:30 AM	604	A Fishy Way to Connect Statistics and Proportional Reasoning	Shelley Kriegler, Cynthia Raff, Mark Goldstein	Burst	Introduction	6 to 8	Valuing Students' Authentic Funds of Knowledge
209	2/9	11:30 AM	608	Ideas for Using AI to Improve Mathematics Instruction in Secondary Education	Sandra Miles, Katherine Vela	Burst	Introduction	8 to 10	Using Innovative Technology
210	2/9	11:30 AM	3B	Describe It! Building Vocabulary Through Communication	Amy White	Burst	Introduction	10 to 12	Valuing Students' Authentic Funds of Knowledge
211	2/9	11:30 AM	307/308	Engaging Students in Math Through Social Justice and Long-Term Team Projects	Mark Roddy	Burst	Introduction	10 to 12	Valuing Students' Authentic Funds of Knowledge
212	2/9	11:30 AM	204	What's Happening with CO2 in the Atmosphere? A Precalculus Model for Atmospheric Carbon Dioxide	Kevin Bartkovich	Burst	Intermediate	10 to 12	Valuing Students' Authentic Funds of Knowledge
213	2/9	11:30 AM	211	Coaching Elementary Teachers Through Math Anxiety to Encourage Student Achievement	Daniella Barajas	Burst	Intermediate	Coaches/Leaders/Teacher Educators	Eliminating Barriers to Inspire Creative Pathways
214	2/9	11:30 AM	4C4	Digging into a Finer Grain of Mathematics Ability	Lisa Bickel, Sue Steinkamp, Ph.D.	Burst	Introduction	Coaches/Leaders/Teacher Educators	Improving Students' Sense of Value and Belonging
215	2/9	11:30 AM	613/614	Using Math PLC Team Design to Create and Implement Successful Secondary Intervention Classes	Yas-Meen West	Burst	Intermediate	Coaches/Leaders/Teacher Educators	Developing Effective Advocacy Practices
216	2/9	11:30 AM	3A	Sense of Value and Belonging via Unit Plan Development	Udita Gupta	Burst	In-Depth	Higher Education	Improving Students' Sense of Value and Belonging
217	2/9	11:30 AM	607	Studying College Math Recitation Sessions' Effects on Peer Engagement and Course Success	Catie Corchado	Burst	Introduction	Higher Education	Valuing Students' Authentic Funds of Knowledge
218	2/9	1:00 PM	4C2	Building Thinking Classrooms: Practical Application of Liljedahl's Strategies in Lake Stevens School	Kristen Wickizer	Session	Introduction	8 to 10	Valuing Students' Authentic Funds of Knowledge
219	2/9	1:00 PM	618/620	Extreme Skydiving: A Calculus Model for a Skydiver's Decent Accessible to All Calculus Students	Kevin Bartkovich	Session	Intermediate	10 to 12	Valuing Students' Authentic Funds of Knowledge
220	2/9	1:00 PM	Ballroom 6A	The Belonging Curse-Breaker: Infusing Belonging to Break Curses and Barriers to Mathematics Success	Emily Curtis, Mary Hosten	Session	Introduction	10 to 12	Eliminating Barriers to Inspire Creative Pathways
221	2/9	1:00 PM	2AB	Addressing the Crisis in Math Literacy for Black Students	Kirk Kirkwood	Session	Intermediate	Coaches/Leaders/Teacher Educators	Improving Students' Sense of Value and Belonging
222	2/9	1:00 PM	Ballroom 6E	Choosing to See Together: Collaborative Reflection on Equitable Practices in Math	Elizabeth Caccavella, Erica Bernard	Session	Intermediate	General	Fostering Belonging and Value
223	2/9	1:00 PM	Ballroom 6C	Humanizing Systems for Teaching and Learning: The Interconnectedness of Joy, Agency, and Belonging	John Drake, Jody Guarino, Joanna Hayman	Session	Intermediate	General	Developing Effective Advocacy Practices
224	2/9	1:00 PM	201	Making the Learning Stick: Using Brain Science to Help Our Students Retain Concepts (K-6)	Jen Hunt	Session	Intermediate	General	Valuing Students' Authentic Funds of Knowledge
225	2/9	1:00 PM	615/617	Mathematical Hearts: Cultivating Culturally Responsive Mathematics Teaching in Elementary Classrooms	Julia Aguirre, Maria Zavala	Session	Introduction	General	Fostering Belonging and Value
226	2/9	1:00 PM	Ballroom 6B	The Bus Stops Here!	Karin Lee, Jordan Smith Jr.	Session	Intermediate	General	Eliminating Barriers to Inspire Creative Pathways
227	2/9	1:00 PM	4C3	What Does It Mean to be Good at Math?	Lidia Gonzalez	Session	Introduction	General	Fostering Belonging and Value
227.1	2/9	1:00 PM	611	The Teaching and Learning of Mathematics is About Ideas	Zachary Champagne	Session	Introduction	Pre-K to 2	Fostering Belonging and Value
227.2	2/9	1:00 PM	303	Playing with Quadratics in Standard Form & Other Curiosities	Curtis Brown	Exhibitor Workshop	In-Depth	10 to 12	Using Innovative Technology
227.3	2/9	1:00 PM	612	K-5 Teacher Imagine Learning Illustrative Mathematics "Make and Take" Math Center Workshop	Anya Dalkin	Exhibitor Workshop	Introduction	Coaches/Leaders/Teacher Educators	Valuing Students' Authentic Funds of Knowledge
228	2/9	1:00 PM	204	Honoring Differences: Invented Strategies for Multi-Digit Addition and Subtraction	Donna Boucher	Workshop	Introduction	Pre-K to 2	Eliminating Barriers to Inspire Creative Pathways
229	2/9	1:00 PM	606	Bring Back That Loving Feeling: Using PERMA to Restore Joy	Dawn Pagliaro-Newman, Melissa Singer	Workshop	Introduction	3 to 5	Fostering Belonging and Value
230	2/9	1:00 PM	613/614	Fluency Isn't 40 Problems	John SanGiovanni	Workshop	Intermediate	3 to 5	Eliminating Barriers to Inspire Creative Pathways
231	2/9	1:00 PM	609	Learning Mathematics Through Games! Oh My!!!	Maria Diamantis	Workshop	Introduction	3 to 5	Valuing Students' Authentic Funds of Knowledge
232	2/9	1:00 PM	602/603	CANCELLED: 'Mary, Mary, quite contrary, how does your garden grow?' Using Nature to Nurture Mathematical Thinking	Laurie Boulden	Workshop	Introduction	3 to 5	Valuing Students' Authentic Funds of Knowledge



Session No.	Date	Time	Room	Session Title	Speakers	Type	Content Level	Audience	Strands
233	2/9	1:00 PM	604	Building Students Math Habits and Dispositions in a Second Math Class	Maci Nelson, Mei Pontano	Workshop	Introduction	6 to 8	Valuing Students' Authentic Funds of Knowledge
234	2/9	1:00 PM	307/308	Discussion Protocols That Ensure All Voices in the Classroom are Heard	Benjamin Allen, Abdullah Chaudry	Workshop	In-Depth	6 to 8	Valuing Students' Authentic Funds of Knowledge
235	2/9	1:00 PM	4C4	Shifting Gears: Models for Middle Level Math Instruction	Rebecca Rousseau, Melinda Lyon	Workshop	Introduction	6 to 8	Valuing Students' Authentic Funds of Knowledge
236	2/9	1:00 PM	607	Supporting English Learners to Connect Experiences to Math in a Three-Moment Lesson Architecture	Andrew Haiwen Chu	Workshop	Introduction	8 to 10	Valuing Students' Authentic Funds of Knowledge
237	2/9	1:00 PM	608	Supporting Multilingual Learners Through Integrated English Language Development Math Classes	Kristine Cunningham, Sally Claypool	Workshop	Introduction	8 to 10	Fostering Belonging and Value
238	2/9	1:00 PM	3A	Learn to Build New Application Models for Algebra, Then Teach Your Students to Build These Models.	Diana Fisher	Workshop	Introduction	10 to 12	Using Innovative Technology
239	2/9	1:00 PM	211	Creating the Capacity for Change: Structures for Empowering Elementary Teachers	Susan Totaro, Melissa Pearson	Workshop	Introduction	Coaches/Leaders/Teacher Educators	Fostering Belonging and Value
240	2/9	1:00 PM	3B	Ethnic Studies Principles in STEM Classrooms	Naehee Kwun, Kris Houston	Workshop	Introduction	Coaches/Leaders/Teacher Educators	Valuing Students' Authentic Funds of Knowledge
241	2/9	2:30 PM	618/620	Assessment Interviews: Moving Beyond Timed Tests	Susan Loveless	Session	Introduction	3 to 5	Improving Students' Sense of Value and Belonging
242	2/9	2:30 PM	2AB	Strategies to Amplify Student Voice and Increase Engagement	Jennifer Lempp	Session	Intermediate	3 to 5	Eliminating Barriers to Inspire Creative Pathways
243	2/9	2:30 PM	615/617	Strategies to Enhance Long-Term Learning	Jessica Bulgarelli	Session	Introduction	6 to 8	Valuing Students' Authentic Funds of Knowledge
244	2/9	2:30 PM	Ballroom 6B	Young Mathematicians Take Action Through Sport Clinics	Jennifer Suh, Gretchen Maxwell, Julia Aguirre	Session	Intermediate	6 to 8	Fostering Belonging and Value
245	2/9	2:30 PM	Ballroom 6A	Anchoring Connections: Exploring Ways to Engage Students Through Rich Problems	Jana Rupp	Session	Introduction	8 to 10	Valuing Students' Authentic Funds of Knowledge
246	2/9	2:30 PM	611	11 Effective Strategies for Teaching Math to Students Who Have Given Up on Learning	Jordan Smith Jr Ed. D., Karin Lee	Session	Introduction	Coaches/Leaders/Teacher Educators	Fostering Belonging and Value
247	2/9	2:30 PM	4C2	Learning Together: A Framework for Meaningful Professional Development	Claire Wambold, Kathy Trosvig	Session	Introduction	Coaches/Leaders/Teacher Educators	Fostering Belonging and Value
248	2/9	2:30 PM	201	Supporting Teacher Leaders to Advocate for Systemic Change	Estelle Woodbury, Lisa Jilk	Session	Intermediate	Coaches/Leaders/Teacher Educators	Developing Effective Advocacy Practices
249	2/9	2:30 PM	Ballroom 6E	Assessment Alchemy	Jill Place, Josh Simmons	Session	Intermediate	General	Improving Students' Sense of Value and Belonging
251	2/9	2:30 PM	Ballroom 6C	Feedback > Grades	Derek Fialkiewicz	Session	Intermediate	General	Improving Students' Sense of Value and Belonging
251.1	2/9	2:30 PM	303	Ratios, Rates, and Percents, Oh My! (6-8)	Angela Campana	Exhibitor Workshop	Introduction	6 to 8	Valuing Students' Authentic Funds of Knowledge
251.2	2/9	2:30 PM	612	No More Mad Minutes! XtraMath is a better way to build fact fluency than timed math drills.	Roy King	Exhibitor Workshop	Introduction	Pre-K to 2	Using Innovative Technology
252	2/9	2:45 PM	4C4	Equity and Access Through Counting Collections in Grades 3-5	Carrie Thornton	Workshop	Introduction	3 to 5	Valuing Students' Authentic Funds of Knowledge
253	2/9	2:45 PM	204	Exploring the 5 Spaces Framework to Promote Belonging, Confidence, and Competence	Laura Grandau, Rachel Hill	Workshop	Introduction	3 to 5	Valuing Students' Authentic Funds of Knowledge
254	2/9	2:45 PM	613/614	Joyful Math Instruction: Fostering Inclusive and Affirming Classroom Environments	Jennie Beltramini, Astrid Fossum, Aly Martinez	Workshop	Introduction	3 to 5	Valuing Students' Authentic Funds of Knowledge
255	2/9	2:45 PM	608	Amplifying Students' Voices to Develop Mathematical Justification	Amy Lucenta, Grace Kelemanik	Workshop	Intermediate	6 to 8	Valuing Students' Authentic Funds of Knowledge
256	2/9	2:45 PM	3B	Rethinking Story Problems: An Adventurous Merging of Mathematics and Narrative	Jason Ermer	Workshop	Introduction	6 to 8	Valuing Students' Authentic Funds of Knowledge
257	2/9	2:45 PM	606	Want to Develop Fluency with Functions? Algebra-fy Patterns!	Thomas Beatini	Workshop	In-Depth	6 to 8	Valuing Students' Authentic Funds of Knowledge
258	2/9	2:45 PM	3A	Fractals as an Introduction to the Wonder, Joy and Power of Modern Mathematics	Peggy Beauregard	Workshop	Introduction	8 to 10	Valuing Students' Authentic Funds of Knowledge
259	2/9	2:45 PM	307/308	SEL and the Brain: Understanding Their Effect on Student Learning	Adam Varnes	Workshop	Introduction	8 to 10	Fostering Belonging and Value
260	2/9	2:45 PM	609	Using Net Worth to Understand Equality Relations, Linear Equations, and Wealth	Philip Dituri, Jack Marley-Payne	Workshop	Introduction	8 to 10	Valuing Students' Authentic Funds of Knowledge
261	2/9	2:45 PM	604	Status Report: How Year 1 of my AP Precalculus Experience is Going (with some related activities)	Ruth Miller	Workshop	Introduction	10 to 12	Eliminating Barriers to Inspire Creative Pathways
262	2/9	2:45 PM	607	The Perfect Math Credit: NGPF's Financial Algebra	Kathryn Dawson	Workshop	Introduction	10 to 12	Eliminating Barriers to Inspire Creative Pathways
264	2/9	2:45 PM	602/603	Equity Commentators + Focal Students: Elevating Math Excellence and Social Justice in Lesson Study	Harold Asturias, Susie Hakansson, Kyndall Brown	Workshop	Introduction	Coaches/Leaders/Teacher Educators	Fostering Belonging and Value