

Session No.	Date	Time	Room	Session Title	Speakers	Type	Content Level	Audience	Strands
Thursday, February 8									
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
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
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
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	Savvas 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
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
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
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
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
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	Session	Introduction	Pre-K to 2	Valuing Students' Authentic Funds of
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
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
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
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	Mei Yong	Exhibitor Workshop	Introduction	Coaches/Leaders/Teacher Educators	Valuing Students' Authentic Funds of Knowledge

Session No.	Date	Time	Room	Session Title	Speakers	Type	Content Level	Audience	Strands
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 Problematicized 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
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

Session No.	Date	Time	Room	Session Title	Speakers	Type	Content Level	Audience	Strands
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
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



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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
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

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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 Kihara, 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