Friday, October 13, Sessions

8:00 am – 9:00 am

If Mathematics is the Universal Language, why do so few speak it?	Pre-K – 8	Tyrone Holmes
3 Parts to a K-5 Student Centered Math Intervention	1 – 5	Christina Tondevold
Making the Most of Meaningful Models	1 – 5	James Burnett
Math Tasks: Tales from a transformed teacher	3 – 6	Tiffany Byrd
Actionable Feedback	6 – College	Danielle Maletta
Visual representations to improve proportional reasoning	5 – 8	Jaehoon Yim
Math in Motion - Using Animated Thinking Models to Promote Mathematical Discourse	K – 8	Steve Wyborney

9:30 am – 10:30 am

Building Pathways to Early Numeracy Success	Pre-K, K	Jessica Bobo
Using Technology to Increase Conceptual Understanding in Algebra and Geometry	6 – 10	Annie Fetter
STEAM and Mindset Trending Now	Pre-K – 5	Virginia Nelson
Crafting Lesson Quality and Magic with +\- 8 Slide Lesson Guides	1 – 9	Steven Leinwand
Math Anywhere! Noticing Opportunities to Engage Young Mathematicians	Pre-K – 2	Molly Daley
Arrow Diagram Representation Introduction	7 – 12	Jamie Nordstrom
What Does it Mean to Be a K-8 Math Leader?	K 8	Rachel Harrington

11:00 am – Noon

Making Moments Matter: Conferring with Young Mathematicians at Work	Pre-K – College	Catherine Fosnot
Swimming Pool Division	5 – 8	Robert Rusk
Math Fact Fluency – the Building Blocks for Math Concept Success	1 – 6	Thom O'Brien
Where Are We Ever Going to Use This?	8 – 12	Jim Libby
Meaningful integration of math and science: Is it possible?	6 – College	Jessica Cohen
Desmos for Discovery, Discussion, Demonstration and Daily Work	7 – College	Tamara Anderson
Number Talks: Instructional coaches supporting teacher implementation across a school.	Pre-K – 5	Sarah Wolfgang

12:30 – 1:30 pm

Mindset Activities for the Secondary Classroom	4 – 12	Kasey Ward
The use of assessment video to create a portrait of student understanding	K – 5	Michael Busch
Grow Beasts: Growing understanding of measurement and inquiry in the primary grades	Pre-K – 3	Mark Roddy
Connecting Math Understanding to Careers Thru a Growth Mindset	5 – 12	Dennis Ortman
Misconceptions in Mathematics	7 – 12	John Bister
Engaging Young Learners in Mathematical Argumentation	K, 1, 2	Alison Fox
Long Division: Hangman Gamification Style	3 – 7	Eva La Mar

2:00 pm – 3:00 pm

Differentiate Math Instruction with Math Menus	3 – 8	Kimberly Markworth
Addressing Numeracy with the Struggling Learner K-2	Pre-K – 2	Paula Muehler
Building Connections With Students Through Reflection	3 – 10	Francie Bostwick
How is “What Added to 5 Equals 16” Connected to Algebra?	K – 5	Dennis Ortman
Improving Number Sense in Struggling 2nd – 5th Grade Students	2 – 5	Laura Nelson
Fast Facts and Fractions	5 – 9	Brad Fulton
The Lost Art of Estimation	Pre-K – 2	Linda Griffin

3:30 – 4:30 pm

Building Success in Problem Solving	6 – 8	Nicholas Restivo
WA State Mathematics Menu of Best Practices and Strategies	K – 12	Kristi Coe
Playful Mathematical Inquiry	K, 1, 2	Janice Novakowski
Incorporating Assessments of Students’ Attitudes and Beliefs in Secondary Classrooms	6 – College	Jerian Abel
Want 5-9 hours more per week of teaching time with less work?	K – 12	Annette Mulligan
Mathematical Modeling in the Primary Grades with Three-Act Tasks	K, 1, 2	Kendra Lomax
3-Act Math: Incorporating Modeling into Instruction	6 – 12	Andrew Byrns

5:00 – 6:00 pm

SYTC-think outside the box, math success for all!	6 – 12	Lori Kiteala
Grade 3-5 Preparing students for the Mathematics Smarter Balanced Assessment	3, 4, 5	Gloria Ferguson
Mathematically Productive Instructional Routines	K – College	Keith Adolphson
Construct Viable Arguments: Student Led Learning	6 – 12	Ryan Adams
Math Coaching Matters	K – College	Cynthia Hockman-
The Uncivil War of Calculus	9 – College	Joe Frost
Moving Towards Modeling	9 – 12	Elissa Farmer

Friday, October 13, Workshops

8:00 am – 9:30 am

Using SBA Item Specs to Create Assessments	3 – 11	Ann Sipe
Developing Early Numeracy and student confidence	K – 4	Elizabeth (Liz)
Remember the M in STEM – encouraging students to think through	9 – 12	Kim Schjelderup
Making Group Work, Work! Complex Instruction	2 – 8	Kathleen Burbank
EngageWA--Resources to Support Teachers Using EngageNY	Pre-K – 8	Carrie Black
Exciting Exponential Explorations	8 – 11	Darrell Trussell
Standards Based Grading in a Traditional Gradebook	6 – College	Emma Oliver
Operations Across the Grades	4 – 9	Chris Hunter
From Fractions to Functions and Back Again	K – 12	Jason Zimba

9:45 am – 11:15 am

Make Sense and Teach the Mathematical Practices using Routines for Reasoning.	6 – 12	Megan Ary
Using Number Strings to Support Systemic Teacher and Student Learning	1 – 12	Kathy Anderson
Integrating Math and Science to Access Modeling	K – 8	Mary Ellen Huggins
Math in a Chromebook Lab?	3 – 8	Jennifer Robbins
Student Identity and a Growth Mindset	Pre-K – College	Lori Clyatt
Math Success for All Students Grades 3-5	3, 4, 5	Barbara Novelli
Math Fun and Games	6, 7, 8	Sally Wood
Drills to Thrill All Students!	K – 5	Cheryl Henjum
Great Games Lead to Great Gains	K, 1, 2	Craig Willmore

11:30 am – 1:00 pm

Give Students Somethin' to Talk About: The Role of Groupworthy Tasks	6 – College	Karen Kennedy
Productive Math Discourse Always "Belongs!"	K – 6	Kellie Petrick
Don’t Count Them Out! Helping Your Students Successfully Solve Counting Problems	5 – College	Elise Lockwood
A super high-quality, shiny, new, complete, openly available middle school curriculum!	6 – 8	Dev Sinha
I'm Game! Are You?	3–5	Sandra Coulson
Eye the Prize	Pre-K – 2	Denise McDowell
Productive Struggle and Supporting All Learners	3 - 12	Cynthia Townsend
Using Manipulatives and Investigations to Teach Geometry Highlighting the CCSSM	6 – 12	Chris Mikles
Songwriting 101: Lesson Plans in a Song Format	3 – 12	LaMar Queen

1:15 pm – 2:45 pm

Calculating Our Future: Math Lessons on the Environment and Society	6, 7, 8	Jennifer Wyld
Building bridges: young children’s mathematics experiences at home and school	Pre-K – 3	Ann Anderson
Computer Generated String-Art: Implicit Curves and Tangent Lines	11 –	Susan Robinson
Models for Success	3 – 7	Deborah Lane
Number Line Math games for Elementary - Box Cars Favorites	1 – 5	Jane Felling
Building a Better Math Notebook...One Fold at a Time	3 – 12	Nancy Wisker
Grade 9-12 Stinkin' Awesome Performance Tasks	9 – 12	Ann Knight
Use Cubes as a Setting for Your Problem Solving	4 – 8	Dennis Mulhearn
Transformational Geometry - Immediate Interactive Investigations in 15 Seconds for Grades 8-11	8 – College	Tom Reardon

3pm – 4:30 pm

Exploring Angles in Three Ways	4 – 10	Elizabeth Peyser
Finding Deep Math in Simple Games	5 – 12	Mark Roop-Kharasch
Increasing Student to Student Discourse	7 – 12	Micaela Newman
Keeping Sense-Making at the Heart of Mathematical Instructional Routines	Pre-K – 5	Jana Sanchez
What's New in K-8 Mathematics Education	K – 8	Rachel Harrington
Boost Conceptual Understanding and Procedural Fluency with Rich Number Sense Tasks	6 - 12	Andrew Stadel
Explore the Core with Math on the Floor	3–5	Wendy Hill
Using Desmos as a medium for inquiry based learning	7 – 12	Ryan Seidel
Games for Place Value Understanding!	Pre-K – 2	Kim Sutton

4:45 – 6:15 pm

Intentional Design and the Power of Engagement in STEM/CTE Lessons	7 – 11	Linda Adams
Exploring the Mathematical Richness of Rational Functions	10 – College	Mary Beisiegel
Building Mathematical Fluency with Classic Card Games	K – 6	Melissa Kincaid
Irrational Thoughts (for Rational Teachers)	6 – 10	Kayana Hoagland
Using Words - Teaching Reading and Writing in Math	6 – College	Susan Cedar
Games that Engage Students and Inform You	2 – 6	Cynthia Henton
Mathematical Fluency = Fun	Pre-K – 5	Molly Smith
From Triangular Numbers, Tetrahedron Numbers to the Tetrahedron Kite	6 – 12	ART Mabbott
Creating Classroom Culture in the Secondary Math Classroom	6 – 12	Shannon McCaw