

Thursday At A Glance

Keynote/Featured Speaker 8:30 - 10:00

8:30	Peg Smith - Effective Mathematics Teaching Practices: A Framework for Mathematics Teaching and Learning	Imperial A	6 - 8
Thursday 8:30 - 10:00 (90 minute workshops)			
8:30	Digging through the Domains	Imperial G	3 - 5
8:30	Teaching Fractions for Understanding	Imperial H	3 - 5
8:30	Factoring Using the Area Model	Guilford A	9 - 12
8:30	Simulation Based Inference	Imperial B	9 - 12
8:30	Igniting Minds of math with LEGO Bricks	Sandpiper	6 - 8
8:30	Develop a positive mathematical identity with Mathematical Selfies	Tidewater A/B	K - 12
8:30	Folding Fun for the Fundamentals	Imperial C	6 - 12
8:30	I now pronounce you...co-teachers	Pebble Beach	9 - 12
8:30	Crazy 8s Club Gets Kids Fired Up About Math!	Imperial F	PreK - 5
8:30	OMG! (Our Math Games)	Blandwood	9 - 12
8:30	Songwriting 101: Lesson Plans in a Song Format	Colony B	6 - 12
8:30	Developing Student Confidence in Mathematics With the Use of Children's Books	Tanglewood	3 - 5
8:30	Clothesline Math: a routine that won't hang students out to dry	Morehead	6 - 8
8:30	Valuing children's thinking through effective questioning	Colony A	PreK - 2
8:30	Marvelous Math Mistakes	Imperial E	3 - 5
8:30	for linear algebra.	Meadowbrook	6 - 12
Thursday 8:30 - 10:00 (90 Minute Sessions)			
8:30	Representational Code Switching	Arrowhead	K - 12
8:30	Enhancing Visual Discrimination and Numeracy	Augusta B	PreK - 5
8:30	Creating Math Identity Using Formative Feedback	Biltmore A	9 - 12
Thursday 8:30 - 9:15 (45 Minute Sessions)			
8:30	Making Math Real to Me	Imperial D	9 - 12
8:30	Standards Based Grading in a 1:1 School	Oak A	6 - 12
8:30	"Cold, Warmer, HOT!" in Precalculus and Calculus	Cedar B	9 - 12
8:30	Math Facts Using the Distributive Property	Aud 2	3 - 5
8:30	Exploring New Uses for Fraction Equations	Biltmore B	3 - 5
8:30	Utilizing Literacy to Support Effective Math Instruction	Aud 4	PreK - 5
8:30	It's not just fluff!-- how to reach the the needs of gifted math learners in regular education classroom"	Aud 1	PreK - 2
8:30	Beauty is in the Beast	Oak B	PreK - 5
8:30	Innovative Co -Teaching Strategies	Augusta A	9 - 12
8:30	Hands on Math in Middle School	Cedar C	6 - 8
8:30	Successful Coaching: Learning Together	Turnberry	K - 12
8:30	Finding Math Resources in Unexpected Places	Cedar A	3 - 5
8:30	Going Beyond What Is	Pinehurst	6 - 12
Keynote/Featured Speaker 9:30 - 11:00			
9:30	Jenny Bay Williams - Games and Assessment Strategies to Ensure Addition and Multiplication Fact Fluency	Imperial D	K - 5
Thursday 9:30 - 11:00 (90 minute session)			
9:30	Heavy Drinking, Melting Ice Cream and Homeruns	Aud 1	9 - 12
Thursday 9:30 - 10:15 (45 minute sessions)			
9:30	Addressing Culture and Diversity in 3-5 Mathematics Classrooms: Strategies, Activities, & Lessons from Cultures Across the World	Oak B	3 - 5
9:30	The Power of Feedback	Pinehurst	K - 12
9:30	Free Money!	Cedar C	K - 12
9:30	Thinking Inside and Outside the Box	Cedar A	6 - 12
9:30	Platonic and Archimedean Solids for All Ages	Augusta A	K-12
9:30	Making Use of Structure	Colony C	6 - 12
9:30	Utilizing Literacy to Support Effective Math Instruction	Aud 4	PreK - 5
9:30	the Number devil a math journey	Biltmore B	6 - 8
9:30	Making Students Matter	Oak A	9 - 12
9:30	Intervention through Small Group Instruction within the Classroom	Oak C	6 - 8
9:30	Calculus C_ur_e or Calculus C_urse?	Cedar B	College/University
9:30	Developing Math Reasoning: an Essential Component to Instruction	Turnberry	3 - 5
9:30	Mastering Standards Through Spiral Review	Aud 2	PreK - 2
Keynote/Featured Speaker 10:30-12:00			
10:30	Lee Stiff - A Brief History of Math - The Musical	Guilford C	K - 12
Thursday 10:30 - 12:00 (90 Minute Workshops)			
10:30	Socratic Seminars in STEM	Tidewater	6 - 12
10:30	A Positive, Problem-Solving, Probability Packet	Imperial C	PreK - 5
10:30	Enhance Rapport and Learning through Co-planning	Guilford A	9 - 12
10:30	Can You Escape?	Pebble Beach	9 - 12
10:30	Using LEGO Bricks to Teach Matahematics	Sandpiper	3 - 5
10:30	Can we Learn Math by Looking at Art?	Imperial E	3 - 5
10:30	Energize Teaching Area. Use Contest Problems!	Imperial H	6 - 8

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10:30	Fold+ Glue+ Cut= Notebook Foldables	Colony B	3 - 5
10:30	Math 1 Modeling with Parachuting Lego Men	Imperial A	9 - 12
10:30	What To Do With All The Data!!!!	Imperial G	3 - 5
10:30	Review! How to Prep Your Students for Their Next Assessment	Colony A	6 - 8
10:30	There's Too Much to Teach!	Morehead	K - 12
10:30	Deepen the Groove with BDR	Tanglewood	PreK - 2
10:30	Making Algebra Child's Play	Blandwood	3 - 5
10:30	Math & Literacy...Together at Last	Imperial B	6 - 8
10:30	I'm with the band	Imperial F	9 - 12
Thursday 10:30 - 12:00 (90 Minute Sessions)			
10:30	Visual Fraction Models: Positive Fraction Identity	Biltmore A	3 - 5
10:30	Learning Mathematics as a Second Language	Arrowhead	K - 12
10:30	Developing Mathematical Mindsets (Students & Teachers)	Turnberry	PreK - 5
10:30	The Amazing Hundred Number Grid	Augsta B	PreK - 5
10:30	Get Those Kids Talking! How to Implement Effective Math Talks in K - 5	Aud 2	PreK - 5
10:30	Comparing Fractions: The Butterfly is Dead	Cedar C	3 - 5
Thursday 10:30 - 11:15 (45 Minute Sessions)			
10:30	Subitising through the years!	Meadowbrook	PreK - 2
10:30	Amp Up Your Warm Up	Biltmore B	9 - 12
10:30	Math Fair: How do I make this happen??	Pinehurst	K - 12
10:30	Every student deserves a voice in the mathematics classroom	Aud 4	PreK - 5
10:30	Engage Students with Contextual Applications	Cedar A	9 - 12
10:30	Does Your Design Reveal or Conceal? - How effective task design exposes mathematics that a student knows.	Oak A	College/University
10:30	Strike! Bowling for EOG Review	Oak C	6 - 8
10:30	Addressing Culture and Diversity in 6-12 Mathematics Classrooms: Strategies, Activities & Lessons from Cultures across the World	Oak B	6 - 12
10:30	Reality Math	Augusta A	9 - 12
10:30	Using Twitter for Personal-Professional Development	Cedar B	K - 12
10:30	Strategies for Engaging Math Talk	Colony C	6 - 12
Keynote/Featured Speaker 11:30 - 12:15			
11:30	Joleigh Honey - Five Essentials to Ensure Each and Every Student Succeeds	Auditorium I	9 - 12
Thursday 11:30 - 1:00 (90 minute session)			
11:30	Transforming a Lesson to a Desmos Activity	Aud 4	9 - 12
Thursday 11:30 - 12:15 (45 minute sessions)			
11:30	Supporting Prospective Teachers' Engagement with Student Thinking About Fractions	Cedar C	College/University
11:30	The Ins and Outs of Number Talks: Developing Computational Fluency in the K-2 Classroom	Imperial D	PreK - 2
11:30	It's as easy as A-B-C: Department Wide Grading	Biltmore B	6 - 12
11:30	Math Talks: A Tool for Fostering Critical Thinking Skills	Cedar A	3 - 5
11:30	Using Scientific Investigations in Math Classes	Pinehurst	6 - 12
11:30	Equity and Identity - How our grouping practices effect students	Meadowbrook	K - 12
11:30	Spiraling 6th grade math curriculum	Oak A	6 - 8
11:30	Stimulating Interest in Math Through Math Contests	Cedar B	9 - 12
11:30	Are we all in alignment?	Colony C	9 - 12
11:30	Healthy Math	Augsata A	6 - 8
11:30	Putting the I (Content Teacher) and U (EC Teacher) Back into Inclusion	Oak C	6 - 12
Keynote/Featured Speaker 12:30 - 1:15			
12:30	Jennifer Wilson - The MathTwitterBlogsphere: Our Online Professional Learning Community	Imperial D	K - 12
Thursday 12:30 - 2:00 (90 minute workshops)			
12:30	College and Career Readiness –What do the Colleges/Employers expect Quantitatively?	Morehead	9 - 12
12:30	Understanding Area Through Folds and Dots	Imperial C	6 - 8
12:30	Using Technology in a Math Classroom	Guilford A	9 - 12
12:30	Student Centered Instruction: Less of Me, More of Them	Imperial E	6-12
12:30	Begin to code with your students!	Imperial F	6 - 12
12:30	The Ice Cream Stand	Tidewater	6 - 8
12:30	Write On! Implementing Mathematical Writing	Imperial G	PreK - 5
12:30	Solve This! Unlock Problem Solving in K-2	Imperial A	PreK - 2
12:30	Fractions: Less is More	Sandpiper	3 - 5
12:30	Use Cubes as a Setting for Your Problem Solving	Imperial H	3 - 5
12:30	Marvels of Number Theory	Meadowbrook	6 - 12
12:30	Tiles and Tessellations	Colony B	6 - 12
12:30	Using Algebra Tiles from Polynomials to Factoring	Pebble Beach	9 - 12
12:30	Math Behind the Market	Tanglewood	3 - 5
12:30	Meeting Environmental Challenges with Math	Blandwood	6 - 8
Thursday 12:30 - 2:00 (90 minute sessions)			
12:30	PRACTICES THAT MAKE YOU A BETTER TEACHER TOMORROW!	Augusta B	3 - 5
12:30	Differentiating Assessment with One Test	Augusta A	9 - 12

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12:30	Make Learning Stick Based on Cognitive Science	Colony C	K - 12
12:30	Everyday I'm Calculating: Bridging the Gap of Academic Equity and Strategies to Motivate Struggling Math Learners	Imperial B	9 - 12
Thursday 12:30 - 1:15 (45 minute sessions)			
12:30	Making the Metric System Fun	Biltmore B	3 - 5
12:30	The 100 Chart- Your NEW BFF!	Aud 2	PreK - 2
12:30	Mathematics Achievement and Innovation fostered through Arts Education	Oak B	K - 12
12:30	Eye-opening Advice About College Math Readiness with NO STRINGS ATTACHED!	Biltmore A	9 - 12
12:30	Creating Mathemacitizens: Piecewise-Defined Functions and Tax Policy	Pinehurst	9 - 12
12:30	Addressing Culture and Diversity in 6-12 Mathematics Classrooms: Strategies, Activities & Lessons from Cultures across the World	Cedar B	6 - 12
12:30	The Quantile Framework for Mathematics, Math Differentiation at your Fingertips!	Oak A	K - 12
12:30	Navigating through Kindergarten Number Talks	Aud 1	PreK - 2
12:30	10 Days to Multiplication Mastery	Arrowhead	3 - 5
12:30	No More Boring Study Guides	Oak C	6 - 12
12:30	MATHCOUNTS	Cedar C	6 - 8
12:30	Giving Students HOPE	Cedar A	PreK - 5
Keynote/Featured Speakers 1:30 - 3:00			
1:30	Karen Economopolous - Differentiation: It's More than Just Changing the Numbers	Imperial D	K - 5
1:30	William McCallum - Overview of the Illustrative Mathematics Middle School Curriculum	Guilford C	6 - 8
Thursday 1:30 - 3:00 (90 minute workshop)			
1:30	Snatch It Match It	Aud 2	6 - 12
Thursday 1:30 - 3:00 (90 minute session)			
1:30	Increase Depth of Knowledge and using Math Songs	Aud 1	K - 12
Thursday 1:30 - 2:15 (45 minute sessions)			
1:30	Launching Number Talks	Cedar A	PreK - 5
1:30	Did I Really Miss Global Math Week?	Cedar B	K - 12
1:30	Middle School Math Work Stations: We've Got It Going On!	Aud 4	6 - 8
1:30	Using Read-Alouds in the Math Classroom	Cedar C	3 - 5
1:30	Closing the Gaps	Oak C	3 - 5
1:30	Fostering Student Growth Through Differentiation	Biltmore B	6 - 12
1:30	Student Guided & Self-Correcting Math Centers	Arrowhead	PreK - 2
1:30	Keepin it Fresh! Spiraling Curriculum & Reviewing for Exams	Biltmore A	9 - 12
1:30	JUSTIF-whY?	Oak A	9 - 12
1:30	Teaching Traditional Math in the Philippines	Pinehurst	K - 12
Thursday 2:30 - 4:00 (90 minute workshops)			
2:30	Rolling Into Fact Fluency - Primary Math Games	Guilford A	PreK - 2
2:30	Number Talks at the High School Level	Morehead	9 - 12
2:30	Stretching Rubber Bands: Dilations	Blandwood	6 - 12
2:30	What's My Interest?	Tidewater	3 - 5
2:30	Strategies to Engage the Math Mind	Sandpiper	3 - 5
2:30	Solidify Understanding of Fractions	Colony B	3 - 5
2:30	ESL and Math: Talking the Language	Imperial A	6 - 12
2:30	The Amazing Race	Imperial B	6 - 12
2:30	Flip it!	Colony A	6 - 8
2:30	How does it grow...or does it	Pebble Beach	9 - 12
2:30	Building a Math Identity Through Fractions	Imperial E	3 - 5
2:30	Experience the Math	Imperial G	9 - 12
2:30	Kick Start Math With Vocabulary Instruction!	Imperial H	PreK - 5
2:30	Problem Solving Speaks	Imperial C	3 - 5
2:30	Math Behind the Market for Middle School Math Teachers	Tanglewood	6 - 8
2:30	Student-Centered Learning	Imperial F	9 - 12
Thursday 2:30 - 4:00 (90 minute sessions)			
2:30	Math Digital Escape Rooms	Biltmore A	9 - 12
2:30	Connecting Representations to the Actions of the Operations	Pinehurst	PreK - 5
2:30	Kinesthetic Strategies via Training Symposiums	Augusta B	K - 12
2:30	Exploring Statistics and Probability	Turnberry	6 - 8
2:30	Classroom Misbehavior is not a Positive Identity	Arrowhead	K - 12
Thursday 2:30 - 3:15 (45 minute sessions)			
2:30	Incentivizing Learning Encouraging the Struggle in Curriculum & Instruction	Augusta A	K - 12
2:30	Lessons from Interdisciplinary Co-planning	Oak C	6 - 12
2:30	Connecting Strategies Creates Ownership & Community	Cedar B	PreK - 5
2:30	Social Networks and Graph Theory	Cedar A	9 - 12
2:30	High School Sequence Options - Share Your Ideas!	Oak A	College/University
2:30	Creative Formative Assessment	Biltmore B	K - 12
2:30	In Praise of Eratosthenes	Meadowbrook	3 - 5
2:30	Addressing Culture and Diversity in K-2 Mathematics Classrooms: Strategies, Activities & Lessons from Cultures across the World	Aud 4	K-2

Thursday At A Glance

2:30	Numberless Word Problems - Promoting Sense Making	Oak B	6 - 8
2:30	What's the Math Question?	Cedar C	6 - 12
Thursday 3:00 - 4:15 (45 minute sessions)			
3:00	Daring Data and Cautious Calendars	Aud 2	PreK - 2
3:00	Estimating with Fractions	Cedar A	3 - 5
3:00	Check Your Attitude at the Door	Imperial D	9 - 12
3:00	The Distributive Property-- Your New BFF!	Aud 1	3 - 5
3:00	The 2017 AP Calculus Exam	Aud IV	9 - 12
3:00	Civil Air Patrol STEM Activities for Modeling and Design	Colony C	6 - 12
3:00	Model (Don't Memorize) Multiplication and Division	Augusta A	3 - 5
3:00	Middle School Math I and Math II--Engaging and Growth Activities	Oak C	6 - 8
3:00	Flip, Twist, Spin your Math Class	Meadowbrook	6 - 12
3:00	MVT, Taylor Error, and the not-so-elusive 'c'	Biltmore B	College/University
3:00	I'm a new teacher...now what?	Oak B	K - 12
3:00	Fostering a Collaborative Statewide Math Community	Cedar C	K - 12
3:00	Statistical Inquiry in the Mathematics Classroom	Cedar B	6 - 12
3:00	Dynamic Interactive Word Walls	Oak A	PreK - 5

Friday At A Glance

Keynote/Featured Speaker 8:30 - 10:00

8:30	Joleigh Honey - Doing Mathematics! Engaging Students Using the Effective Teaching Practices	Imperial A	9 - 12
Friday 8:30 - 10:00 (90 minute workshops)			
8:30	Identifying With Fractions, Decimals, and Percents In The Real World	Imperial F	3 - 5
8:30	Outstanding Math Guides (OMG) 1	Imperial E	3 - 5
8:30	Students Aren't Bored with the M.A.T.H. Homework Board!	Imperial B	PreK - 5
8:30	Unpacking the Math AIG IRP Lesson Plans: Making Technology Integration and Lesson Delivery Easy	Augusta B	PreK - 5
8:30	Escher, How Did You Tessellate?	Sandpiper	6 - 8
8:30	Creating a Self Paced Blended Classroom	Tanglewood	6 - 12
8:30	Visual Representations and the CRA Model	Pebble Beach	PreK - 5
8:30	Around the Globe in 80 Days - Global Math Classes	Colony B	K - 12
8:30	Test-Taking Secrets	Morehead	3 - 5
8:30	Creating Coherence: Looking Back to Move Forward	Blandwood	6 - 8
8:30	Personalized Learning in the Classroom	Imperial H	9 - 12
8:30	Powering Primary Number Sense with a Counting Rope!	Imperial C	PreK - 2
8:30	Math Behind the Market for High School Math Teachers	Imperial G	9 - 12
Friday 8:30 - 10:00 (90 Minute Sessions)			
8:30	Power Play - Games for Teaching Place Value	Guilford A	3 - 5
8:30	Standards Based Grading	Biltmore B	9 - 12
8:30	Mini Session Magic: Minutes of Meaningful Morsels	Meadowbrook	6 - 12
8:30	Kinesthetic Strategies for Teaching Algebra	Tidewater	9 - 12
8:30	From Probability to Statistics	Turnberry	9 - 12
8:30	Coherence: Linking Topics: Thinking Across Grades	Arrowhead	6 - 12
8:30	Developing a Growth Mindset from Day 1	Pinehurst	6 - 12
8:30	Games Now! Games Pow!	Colony A	PreK - 5
Friday 8:30 - 9:15 (45 Minute Sessions)			
8:30	Using Technology and Adaptive Assessment for a Fully Differentiated Math Classroom	Cedar A	6 - 12
8:30	Making Sense of Percent	Imperial D	6 - 8
8:30	Amplify Fractions	Aud 1	3 - 5
8:30	Bridging the Math 1 Gap	Oak A	9 - 12
8:30	Learning from our Colleagues—Observe Me!	Aud 4	9 - 12
8:30	Let's Get Connected: Math & Reading	Augusta A	3 - 5
8:30	Subitizing in the K-2 Classroom	Aud 2	PreK - 2
8:30	Literacy Strategies to Help Develop Meaning in the Math Classroom	Cedar C	6 - 8
8:30	Promoting Equitable Access to Ambitious Instruction	Cedar A	K - 12
8:30	I didn't know my calculator could do that!	Oak C	9 - 12
8:30	EVAAS: Insightful Uses for Classroom Teachers	Colony C	K - 12
8:30	Using Technology to Enhance Mathematics	Oak B	6 - 12
8:30	Intentionally Removing Technology from the College Classroom	Biltmore A	College/University
Keynote/Featured Speaker 9:30 - 11:00			
9:30	Karen Economopolous - Developing Computational Fluency	Imperial D	K - 5
9:30	Valerie Faulkner - Opportunity, Equity & Agency: How do our grouping practices mediate student sense of mathematical identity?	Auditorium I	K - 12
Friday 9:30 - 11:00 (90 minute session)			
9:30	Oh the Places You'll Go, & the Friends You'll Meet	Augusta A	K - 12
Friday 9:30 - 10:15 (45 minute sessions)			
9:30	Math All Around Me	Aud 4	6 - 8
9:30	The Importance of Launching Mathematical Tasks	Aud 2	PreK - 2
9:30	Number Talks: The WHY and the HOW.	Oak C	PreK - 5
9:30	Narratives About Doing Mathematics in Task-Based Instruction	Oak A	9 - 12
9:30	Lesson Study: Individualized PD for All Teachers	Cedar C	K - 12
9:30	Fractions – Don't be just "Vulgar"	Oak B	3 - 5
9:30	Empowering Students as Partners in Assessment	Cedar A	6 - 8
9:30	Writing Assignments to Assess Statistical Reasoning	Biltmore A	College/University
9:30	EVAAS Data and Teaching Teams	Colony C	K - 12
9:30	Building Pathways for Collaboration Between High Schools and Community Colleges	Cedar B	9 - 12
Keynote/Featured Speaker 10:30-12:00			
10:30	Jennifer Wilson - Leading Learners to Level Up	Imperial A	K - 12
Friday 10:30 - 12:00 (90 Minute Workshops)			
10:30	BYOI-Bring Your Own Investigation to Create in Desmos Activity Builder	Guilford A	9 - 12
10:30	Uncle Sam Knows Math! The Math Behind Taxes	Colony A	9 - 12
10:30	How Formative Feedback Can Lead to Improved Math Affect	Imperial G	9 - 12
10:30	Math Morning Choice: Reassessing How We Start Our Day	Imperial F	PreK - 5
10:30	Outstanding Math Guide (OMG) 2	Imperial E	6 - 8
10:30	Flipping the Classroom for the 21st Century Learner	Tidewater	3 - 5
10:30	"It's Not Just Fluff- How to reach the needs of the gifted math student in the regular education classroom"	Augusta B	PreK - 2
10:30	A Visual Approach to High School Math	Sandpiper	9 - 12

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10:30	Building Blocks: Vertical Alignment, Foundation to Ceiling	Tanglewood	6 - 12
10:30	Seeing Mathematically: Visual Strategies for teaching Numbers and Operations.	Pebble Beach	PreK - 5
10:30	Using Literature to Improve Student's Mathematical Reasoning	Colony B	PreK - 5
10:30	Eye the Prize	Morehead	PreK - 2
10:30	Learning to Code Using the TI-Innovator Hub	Blandwood	9 - 12
10:30	Not Your Average Reteach	Imperial B	PreK - 5
10:30	Creating Fraction Mathemagicians	Imperial H	3 - 5
10:30	Fractions Are a Part of the Whole You Know!	Imperial C	3 - 5
Friday 10:30 - 12:00 (90 Minute Sessions)			
10:30	Differentiated Instruction to Engage Every Student	Biltmore B	6 - 12
10:30	I See You: Strategies Promoting Successful Inclusion	Biltmore A	9 - 12
10:30	From 1-2-3 to A-B-C: Developing Language through Mathematics	Aud 4	PreK - 2
10:30	Project Based Learning - Finding the sweet spot between Project and Problem Based Learning	Meadowbrook	6 - 12
10:30	Come Explore Mod 7	Arrowhead	6 - 12
10:30	Do More With Desmos, Exploring Activity Builder	Turnberry	6 - 12
10:30	I Scream, You Scream, We All Scream for Ice Cream!	Pinehurst	6 - 8
Friday 10:30 - 11:15 (45 Minute Sessions)			
10:30	Math Masters	Aud 2	PreK - 2
10:30	Free Tools to Engage and Empower Your Students	Oak C	6 - 12
10:30	Promoting Positive Interaction for English Language Learners in Middle School	Cedar C	6 - 8
10:30	Just the Facts, Ma'am! Math Fact Fluency – Building Blocks for Conceptual Success	Oak B	3 - 5
10:30	How to Launch Low-Floor, High-Ceiling Tasks	Oak A	PreK - 5
10:30	I Want to be a Math Student	Cedar A	9 - 12
10:30	EVAAS: The Basics	Colony C	K - 12
Keynote/Featured Speaker 11:30 - 12:15			
11:30	William McCallum - Using the Mathematical Practices to Build Coherence	Guilford C	K - 12
Friday 11:30 - 12:15 (45 minute sessions)			
11:30	Connecting Children's Literature in a Middle Grades Math Class	Cedar A	6 - 8
11:30	Super-Easy Math Centers	Imperial D	PreK - 2
11:30	Math Identity: Using Relevant Problem Situations	Augusta A	PreK - 5
11:30	Breakout"EDU" of the Math Norm	Colony C	K - 12
11:30	Mega Moody's Math Challenge	Oak C	9 - 12
11:30	Data Driven Instruction Using Imagine Math	Oak B	6 - 8
11:30	Fostering a Positive Mathematical Identity through Productive Struggle	Oak A	PreK - 5
11:30	Breakout of the Traditional Math Classroom	Cedar C	3 - 5
11:30	Explore, Synthesize, Analyze: 3 Steps to Engaging Students	Cedar B	9 - 12
11:30	Rockets in Math 1: a Mini Grant Project	Aud 2	9 - 12
Friday 12:30 - 2:00 (90 minute workshops)			
12:30	Proportional Reasoning in the Middle	Sandpiper	6 - 8
12:30	TGIF! Upper Elementary and Middle Years Math Games	Guilford A	6 - 8
12:30	Hands-on Fraction Division	Tanglewood	3 - 5
12:30	Earning Credit	Colony A	9 - 12
12:30	Innovative Ways to Plan Guided Math and Build Accountability	Pebble Beach	3 - 5
12:30	Painless Exam Review Sessions for Math 1	Morehead	6 - 12
12:30	Rekenrek What? The Power of Hands-on Manipulatives	Colony B	PreK - 2
12:30	Math Make-and-Take Light Up Game	Augusta B	PreK - 2
12:30	Collaborative Coding for All (for FREE)	Imperial H	K - 12
12:30	Algebraic Procedures Needing a Conceptual Makeover	Imperial G	9 - 12
12:30	Connected With Literature	Imperial F	PreK - 5
12:30	Bringing Students "Into the Fold"	Imperial E	3 - 5
12:30	Teacher and Student: Graphs of the Derivative	Blandwood	9 - 12
12:30	Teaching Mathematics For Social Justice	Imperial B	6 - 12
12:30	Walk the Number Line for Research-Based Results!	Imperial C	3 - 5
12:30	Beginning Teachers Unite: Top 5 things to remember from your teacher preparation programs!	Imperial A	PreK - 5
Friday 12:30 - 2:00 (90 minute sessions)			
12:30	1.Kinesthetic Strategies for Mastering the Unit Circle	Tidewater	9 - 12
12:30	Proven Gains with Ratio Learning Trajectories	Meadowbrook	6 - 8
12:30	Humorous Identity - The Math Development	Aud 1	9 - 12
12:30	Lessons from the 2017 AP Calculus Exams	Pinehurst	9 - 12
12:30	You can!...Motivating Struggling/Reluctant Learners	Arrowhead	6 - 12
12:30	Class Management Methods Kids Don't Want You to Know	Biltmore B	6 - 12
12:30	Multiple Ways to Multiply	Augusta A	K - 12
Friday 12:30 - 1:15 (45 minute sessions)			
12:30	Calendar Time	Imperial D	PreK - 2
12:30	Why are there so many rules? The case of equation solving.	Aud 2	6 - 12
12:30	Encouraging Math Chatter in your Classroom	Cedar B	6 - 8
12:30	STEM Family Night	Cedar A	PreK - 5

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12:30	Developing Preservice Teachers Understanding of Function using a Machine Metaphor Applet	Colony C	College/University
12:30	Increasing the Rigor in Advanced Math Classes	Oak C	6 - 8
12:30	Understanding and Improving Students' Mathematics-Related Beliefs	Oak A	K - 12
12:30	Visualizing Mathematics through 3D Printing: Mini-grant Project	Cedar C	9 - 12
12:30	Promoting Growth Mindset with Formative Assessment	Biltmore A	6 - 12
Friday 1:30 - 2:15 (45 minute sessions)			
1:30	Elementary AP?	Imperial D	3 - 5
1:30	Constructing Math Identities through Literacy	Aud 4	PreK - 5
1:30	Real-Time Learning Trajectory Data=Learning Gains	Aud 1	6 - 8
1:30	It's a Calculator on Steroids	Colony C	6 - 12
1:30	Math Notebook	Biltmore A	6 - 12
1:30	The Active Learner	Oak C	3 - 5
1:30	Virtual Math	Oak B	3 - 5
1:30	Formative Assessment in the Math Classroom	Oak A	6 - 12
1:30	Productive Math Discussions for All Students	Cedar C	PreK - 5
1:30	Global Education in a Math Classroom	Cedar B	9 - 12
1:30	Front End Alignment	Cedar A	6 - 8