

**NCTM Meeting in San Francisco**  
**Technology-related Sessions**  
**April 13-16, 2016**

Are you a speaker? Want to update your listing?  
Contact: [ihor@clime.org](mailto:ihor@clime.org) and he will update with your photo, links etc. Work in progress. Edited: 2/20/14 6:10pm

**Thursday, April 14, 2016**

**8:00 AM-9:00 AM**

**12**

**Developing Productive Dispositions through Technology-Based Problems Involving Algebra and Geometry**

**M. Kathleen Heid**

**2022 (Moscone) 8:00-9:00**

**16**

**Expressions to Equations to Functions: Building Algebraic Concepts through Technology**

**Thomas P. Dick and Wade Ellis**

**3012 (Moscone) 8:00-9:00**

**17**

**Geometry from Scratch**

**Daniel S. Anderson**

**3009 (Moscone) 8:00-9:00**

**34.2**

**Unleash the Power of Games-Based Learning with Mangahigh**

ExWkshp Mangahigh  
Grade Band Audience: 6-8  
**123 (Moscone)**  
8:00 AM-9:15 AM

42

**Get on Board with GeoGebra!**  
Suzanne R. Harper and Dana C. Cox  
Grade Band Audience:  
**2008 (Moscone)**

53

**Touching Screens or Touching Objects: Which Is Better and When?**  
Carla E. Strickland, Kathryn M. Rich and Catherine A. Donaldson  
Grade Band Audience:  
**3006 (Moscone)**  
9:30 AM-10:30 AM

81

**The Art of Engineering for Elementary Grades**  
Peter Nosalik  
Grade Band Audience:  
**Golden Gate C3 (Marriott)**

85.5

**BYOD: Mathspace—Why You'll Never Grade Math Assignments Again. Seriously.**  
ExWkshp Mathspace

Grade Band Audience: 6-8, 8-10

**124 (Moscone)**

85.8

## **Demystify Math Using Targeted Math Practice**

ExWkshp Renaissance Learning

Grade Band Audience: *General Interest*

**123 (Moscone)**

9:45 AM-11:00 AM

96

## **Nspiring Students in Data Representation and Scientific Inquiry**

Amber L. Muscarello

Grade Band Audience:

**2008 (Moscone)**

11:00 AM-12:00 PM

111

## **Challenging Precalculus Alternative Assessments Using the Free Online Desmos Calculator**

Neil D. Cooperman and Stephanie H. Cooperman

Grade Band Audience:

**2001 (Moscone)**

134.5

## **Full STEAM Ahead: How Casio Can Unify Your School's Efforts**

ExWkshp Casio America

Grade Band Audience: *General Interest*

**124 (Moscone)**

134.8

### **Mathletics by 3P Learning**

ExWkshp 3P Learning

Grade Band Audience: 3-5, 6-8

**121 (Moscone)**

12:30 PM-1:30 PM

168.2

### **Using Technology to Achieve Equity in the STEM Classroom**

ExWkshp McGraw-Hill Education

Grade Band Audience: *General Interest*

**122 (Moscone)**

168.5

### **Using Technology to Support Observational Assessments in K-5**

ExWkshp Pearson

Grade Band Audience: *PreK-2, 3-5*

**125 (Moscone)**

1:00 PM-2:15 PM

171

### **CCSS, Transformational Geometry, and the Pythagorean Theorem**

Ray Klein

Grade Band Audience:

**2006 (Moscone)**

184

### **Professor CBR Solves Another Case**

Jane E. Damaske and Judith Hicks

Grade Band Audience:

**2016 (Moscone)**

**2:00 PM-3:00 PM**

202

### **iPad Fun with Early Childhood Math Apps**

Amy Adkins, Dawn Lockett and Lina DeVaul

Grade Band Audience:

**Yerba Buena 12/13 (Marriott)**

214

### **Translanguaging: How ELLs Use Language in an Online Precalculus Course**

Julian Viera and Olga M. Kosheleva

Grade Band Audience:

**303 (Moscone)**

215

### **Using Student-Response Systems in Entry-Level College Mathematics Courses**

Jonathan A. Engelman

Grade Band Audience:

**2020 (Moscone)**

216.1

### **Building Concepts: A Path for Discovering**

## **Connections in Math**

ExWkshp Texas Instruments

Grade Band Audience: 6-8

**120 (Moscone)**

3:30 PM-4:30 PM

249

## **Exploring the Connection between Recursive Sequences and Composition of Functions**

David Kapolka and Tom Beatini

Grade Band Audience:

**2001 (Moscone)**

266.3

## **BYOD: Mathspace—Why You'll Never Grade Math Assignments Again. Seriously.**

ExWkshp Mathspace

Grade Band Audience: 6-8, 8-10

**124 (Moscone)**

Friday, April 15, 2016

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8:00 AM-9:00 AM

268

## **Algebra Nation: Harnessing the Power of the Online Collaborative Community**

Joy Bronston Schackow, Stephanie S. Cugini and

Melody Pak

Grade Band Audience:

**3012 (Moscone)**

292.3

## **Unleash the Power of Games-Based Learning with Mangahigh**

ExWkshp Mangahigh

Grade Band Audience: 6-8

**123 (Moscone)**

**8:00 AM-9:15 AM**

307

## **Statistics and Probability in Middle and High Schools with Technology**

Andres Marti, Alison Ellsworth and Elizabeth DeCarli

Grade Band Audience:

**3010 (Moscone)**

308

## **Tools for Young Mathematicians: Simple Yet Powerful Web-Based Technology**

Daniel Scher and Scott Steketee

Grade Band Audience:

**2002 (Moscone)**

**9:30 AM-10:30 AM**

318

## **Going Google in the Math Classroom**

Kim Scarbrough

Grade Band Audience:

**Golden Gate A (Marriott)**

337

## **Using the Computerized Algebra Program ALEKS for Intermediate Courses**

Lina DeVaul, Micah Stohlmann and Amy Adkins

Grade Band Audience:

**2022 (Moscone)**

339.5

## **Engage Every Student with Personalized Education**

ExWkshp Front Row

Grade Band Audience: 3-5, 6-8

**130 (Moscone)**

339.6

## **A Balancing Act: Providing Grade-Level and Foundational Skills Practice**

ExWkshp Renaissance Learning

Grade Band Audience: *General Interest*

**123 (Moscone)**

**9:45 AM-11:00 AM**

343

## **Creating a Puppy: A Transformational Geometry Activity**

Fred Decovsky

Grade Band Audience:

**3004 (Moscone)**

353

## **Transformational Geometry—Immediate Interactive**



## **Investigations—Awesome Engaging Activities**

Tom Reardon

Grade Band Audience:

**2002 (Moscone)**

356

### **Using Technology to Teach Congruence and Similarity through Geometric Transformations**

Blake Whitley and William G. McGowan

Grade Band Audience:

**2003 (Moscone)**

11:00 AM-12:00 PM

359

### **App-Smashing: Students Products That Engage and Promote Learning**

Wendy E. Bartlett

Grade Band Audience:

**2001 (Moscone)**

367

### **Facilitating Algebraic Thinking Development with Appropriate Tools and Technology**

Trena Wilkerson, Ryann Shelton and Alexa Samuel

Grade Band Audience:

**2009 (Moscone)**

385.3

### **Transforming Teaching and Learning with MathXL for School**

ExWkshp Pearson

Grade Band Audience: 10-12

**124 (Moscone)**

385.5

**Rediscovering Geometry and Proof: Lessons Learned from CanFigureIt™ Classroom Pilots**

ExWkshp CanFigureIt

Grade Band Audience: 10-12, Coaches / Leaders / Teacher Educators

**130 (Moscone)**

385.6

**Mathletics by 3P Learning**

ExWkshp 3P Learning

Grade Band Audience: 3-5, 6-8

**121 (Moscone)**

12:30 PM-1:30 PM

405

**Making Sense of Expressions and Equations: A Technology-Leveraged Approach**

Gail Burrill

Grade Band Audience:

**3016 (Moscone)**

419.5

**Using Technology to Support Observational Assessments in K-5**

ExWkshp Pearson

Grade Band Audience: *PreK-2, 3-5*

**124 (Moscone)**

1:00 PM-2:15 PM

425

## **Complex Numbers in GeoGebra; Algebra, Geometry, and Matrices**

Roberto C Soto and Armando M. Martinez-Cruz

Grade Band Audience:

**2002 (Moscone)**

427

## **Exploring Rigor and Coherence with Technology-Based Tasks**

Melissa G. Haun and Patrick Bethel

Grade Band Audience:

**3022 (Moscone)**

2:00 PM-3:00 PM

447

## **Using Technology Strategically to Build Understanding of Crucial Math Concepts**

Annie Fetter

Grade Band Audience:

**301 (Moscone)**

448

## **Excel in Elementary Mathematics**

Andrew Bonaparte

Grade Band Audience:

**Golden Gate A (Marriott)**

458

**Technology and Intellectual Need**

Eli Luberoff

Grade Band Audience:

**3005 (Moscone)**

465.5

**Purposeful Technology: Moving beyond Buzzwords to Transform Learning**

ExWkshp McGraw-Hill Education

Grade Band Audience: *General Interest*

**125 (Moscone)**

465.7

**Engage Media-Savvy Students with Songs, Videos, Games, and Rewards**

ExWkshp Learning Upgrade

Grade Band Audience: *General Interest*

**123 (Moscone)**

**2:45 PM-4:00 PM**

467

**Coding to Enrich All Math Courses**

Jason Slowbe

Grade Band Audience:

**3006 (Moscone)**

478

## **Quid Pro CODE: I Tell You Things, You Tell Kids**

Josh D. Fisher

Grade Band Audience:

**Golden Gate C2 (Marriott)**

3:30 PM-4:30 PM

491

## **Dynamic Geometry: A Mathematical Playground**

Margaret C. Patterson

Grade Band Audience:

**2001 (Moscone)**

511.3

## **BYOD: Mathspace—Why You'll Never Grade Math Assignments Again. Seriously.**

ExWkshp Mathspace

Grade Band Audience: 6-8, 8-10

**122 (Moscone)**

511.5

## **Implementing Blended Learning: Best Practices for the K-8 Math Classroom**

ExWkshp Curriculum Associates

Grade Band Audience: 3-5, 6-8

**125 (Moscone)**

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8:00 AM-9:00 AM

517

## **Designing Assessment Structures That Work**

Erik Laby and David C. Wees

Grade Band Audience:

**3005 (Moscone)**

**8:00 AM-9:15 AM**

531

## **Demonstrating the Relevance of Mathematics through Modeling Using Technology**

Farshid Safi and George J. Roy

Grade Band Audience:

**3010 (Moscone)**

**9:30 AM-10:30 AM**

547

## **A Standard Framework for Tablet Applications in Mathematics Education**

Razieh Shahriari and Ryan V. Thomas

Grade Band Audience:

**2011 (Moscone)**

550

## **Fluency in CCSSM: Connecting Instruction and Assessment**

Jody Guarino and Cathery Yeh

Grade Band Audience:

**3009 (Moscone)**

551

## **Google Docs and Desmos in the Secondary Math**

## **Class**

Shelley Carranza and Noirin Foy

Grade Band Audience:

**2007 (Moscone)**

553

## **In Pursuit of Representing the Reasoning and Modeling Practices**

Michelle Worthington and Luis Saldivia

Grade Band Audience:

**3016 (Moscone)**

557

## **SOCS Makes Sense with Technology**

Dawn Lockett and Amy Adkins

Grade Band Audience:

**3005 (Moscone)**