

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

For more details about each session click on the title.

Asterisked sessions were not included in NCTM's list of technology sessions.

If you would like to have your session highlighted in the next CLIME preview blog, send a photo and any additional information about your presentation.

Thursday, April 14, 2016

The Future of CLIME

CLIME (Council for Technology in Math Education) annual meeting.

Moderator: Ihor Charischak

Nob Hill C (Marriott) Th 6:00pm-7:00pm

12*

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

M. Kathleen Heid

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

Keyword: Technology

16

Expressions to Equations to Functions: Building Algebraic Concepts through Technology

Thomas P. Dick and Wade Ellis

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

Keyword: technology

17*

Geometry from Scratch

Daniel S. Anderson

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

Keyword: online_Scratch

34.2

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

123 (Moscone) Th 8:00-9:00

Keyword: online_mangahigh

34.3*

Bar Modeling with Math Buddies, the Singapore Math® Online Resource

ExWkshp Marshall Cavendish

124 (Moscone) Th 8:00-9:00

Keyword: online_singapore_math

34.6*

HP Prime: A Breakthrough in Mathematics Education Technology!

ExWkshp HP Education Solutions

122 (Moscone) Th 8:00-9:00

Keyword: technology_management_HP_Prime

34.8*

Using NBA Data to Engage Students

ExWkshp Discovery Education

121 (Moscone) Th 8:00-9:00

Keyword: online_data_analysis

42

Get on Board with GeoGebra!

Suzanne R. Harper and Dana C. Cox

2008 (Moscone) Th 8:00-9:15

Keyword: online, software_GeoGebra

47*

My New BFF, the Number Line!

Keysha G. McIntyre and Lauri Susi

Yerba Buena 14/15 (Marriott) Th 8:00-9:15

Keyword: technology_resources

53

Touching Screens or Touching Objects: Which Is Better and When?

Carla E. Strickland, Kathryn M. Rich and Catherine A. Donaldson

3006 (Moscone) Th 8:00-9:15

Keyword: technology_digital_manipulatives

57*

A Flipped-Traditional Teaching Hybrid to Optimize Time in Calculus I

Jessica Pfeil

2022 (Moscone) Th 9:30-10:30

Keyword: technology_flipping

58*

Already Flipping—How Do You Make It Better?

Shelly K. Lindsey and Kyle Wilhelm

2001 (Moscone) Th 9:30-10:30

Keyword: technology_flipping

64*

Hour Two—What Follows the “Hour of Code”?

Martin Funk and Julie Bar

2005 (Moscone) Th 9:30-10:30

Keyword: coding

81

The Art of Engineering for Elementary Grades

Peter Nosalik

Golden Gate C3 (Marriott) Th 9:30-10:30

Keyword: engineering

82*

The Matrix: A Mathematical Thriller

Pam Goldner

3005 (Moscone) Th 9:30-10:30

Keyword: programming_video_games

84*

Video Club: Creating Vision, Pushing Beliefs, and Supporting Teacher Communities

Angela Torres, Noam Szoke and Alison Ellsworth

303 (Moscone) Th 9:30-10:30

Keyword: video

85.2*

10 Minutes of Code

ExWkshp Texas Instruments

120 (Moscone) Th 9:30-10:30

Keyword: coding

85.5

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

ExWkshp Mathspace

124 (Moscone) Th 9:30-10:30

Keyword: software_mathspace

85.8

Demystify Math Using Targeted Math Practice

ExWkshp Renaissance Learning

123 (Moscone) Th 9:30-10:30

Keyword: technology_management_renaissance_learning

87*

A PEDI for the Lady and Other Engaging Calculus Investigations

Deedee Stanfield Henderson

2006 (Moscone) Th 9:45-11:00

Keywords: graphing_calculators, computer_programs

96

Nspiring Students in Data Representation and Scientific Inquiry

Amber L. Muscarello

2008 (Moscone) Th 9:45-11:00

keyword: TI-Nspire

101*

Solving the Mystery: Using Digital Tools to Identify Proportional Relationships

William G. McGowan and Sean Berg

3022 (Moscone) Th 9:45-11:00

keyword(s): BYOD, technology

103*

Taylor Series: A Beautiful Story behind the Most Dreaded Topic

Bence Szamosfalvi

3010 (Moscone) Th 9:45-11:00

Keyword: Desmos

104*

The Scaling Factor

Jennifer L. Stairs, Joan Tellish and Meghan Hearn

Yerba Buena 3/4 (Marriott) Th 9:45-11:00

Keyword(s): multimedia

111

Challenging Precalculus Alternative Assessments Using the Free Online Desmos Calculator

Neil D. Cooperman and Stephanie H. Cooperman

2001 (Moscone) Th 11:00-12:00

Keyword: Desmos

116*

Illustrating the Statistical Process with Regression

Josh Tabor and Daren Starnes

2007 (Moscone) Th 11:00-12:00

Keyword: Technology

132*

Teachers Lead Teachers in Professional Development

Patricia A. Dickenson and Judith Montgomery

2011 (Moscone) Th 11:00-12:00

Keyword: Online learning

134*

Transforming Professional Learning in a Technology-Rich World

NCTM Affiliate Services Committee

Yerba Buena 8 (Marriott) Th 11:00-12:00

Keywords: Technology_leveraging, NCTM_resources

134.5

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

ExWkshp Casio America

124 (Moscone) Th 11:00-12:00

Keyword: Graphing calculator

134.8

Mathletics by 3P Learning

ExWkshp 3P Learning

121 (Moscone) Th 11:00-12:00

Keyword: Online

139*

The Unreasonable Effectiveness of Mathematics

Matt Lane

3006 (Moscone) Th 11:30-12:00

Keyword: Video_games

146*

Do More for Students by Doing Less for Students

David Ginsburg

305 (Moscone) Th 12:30-1:30

keyword: Video

168.2

Using Technology to Achieve Equity in the STEM Classroom

ExWkshp McGraw-Hill Education

Grade Band Audience: **General Interest**

122 (Moscone) Th 12:30-1:30

Keyword: technology

168.5

Using Technology to Support Observational Assessments in K–5

ExWkshp Pearson

125 (Moscone) Th 12:30-1:30

Keyword: technology

171

CCSS, Transformational Geometry, and the Pythagorean Theorem

Ray Klein

2006 (Moscone) Th 12:30-1:30

Keyword: TI-Nspire

179*

Incredible Math Tasks!—Activating the Teaching Practices

Jenny Novak and Bill Barnes

2003 (Moscone) Th 1:00-2:15

Keyword: video

184

Professor CBR Solves Another Case

Jane E. Damaske and Judith Hicks

2016 (Moscone) Th 1:00-2:15

keywords: graphing_calculators, CBR

191*

Coaching through Cognitive Dissonance: Using Video to Promote Change

Juli K. Dixon

134 (Moscone) Th 2:00-3:00

Keyword: video

195*

Flippin' Fun Professional Development

Amy L. Nebesniak

Yerba Buena 7 (Marriott) Th 2:00-3:00

Keyword: video, gaming

196*

Flipping with a Twist: Promoting Inquiry While Flipping the Classroom

Jonathan M. Osters

2005 (Moscone) Th 2:00-3:00

Keyword: video

202

iPad Fun with Early Childhood Math Apps

Amy Adkins, Dawn Lockett and Lina DeVaul

Yerba Buena 12/13 (Marriott) Th 2:00-3:00

Keyword: iPad

213*

Too Hot! or Too Cold!: An Integrated Hands-On Investigation

Kathleen Cage Mittag and Gilbert Naizer

301 (Moscone) Th 2:00-3:00

214

Translanguaging: How ELLs Use Language in an Online Precalculus Course

Julian Viera and Olga M. Kosheleva

303 (Moscone) Th 2:00-3:00

Keyword: online

215

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

Jonathan A. Engelman

2020 (Moscone) Th 2:00-3:00

Keyword: response_clickers

216*

Why S.T.E.A.M. Should Be Your Cup of T.E.A.!

Jordana Benone

2022 (Moscone) Th 2:00-3:00

Keyword: technology

216.1

Building Concepts: A Path for Discovering Connections in Math

ExWkshp Texas Instruments

120 (Moscone) Th 2:00-3:00

Keyword: graphing_calculator

216.7 & 266.7

Using NBA Data to Engage Students

ExWkshp Discovery Education

130 (Moscone) Th 2:00-3:00

Keyword: web_based

235*

Using Origami Boxes to Visualize Mathematical Concepts

Arsalan Wares

2016 (Moscone) Th 2:45-4:00

Keyword: graphing_calculators

249

Exploring the Connection between Recursive Sequences and Composition of Functions

David Kapolka & Tom Beatini

2001 (Moscone) Th 3:30-4:30

Keyword: handheld_technology

255*

Is Seeing Believing?

Gene Kramer and Charles E. Emenaker

3009 (Moscone) Th 3:30-4:30

Keyword: video

266.3

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

ExWkshp Mathspace

124 (Moscone) Th 3:30-4:30

Keyword: BYOD

Friday, April 15, 2016

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) F 8:00-9:00

Keyword: online_learning

280*

Math in the Movies

Tony DeRose

3016 (Moscone) F 8:00-9:00

Keyword: technology

289*

Valuing Ourselves and Each Other: Online Communities for Professional Growth

Max Ray-Riek

301 (Moscone) F 8:00-9:00

Keywords: twitter, blogs, online

292.1*

HP Prime: A Breakthrough in Mathematics Education Technology!

ExWkshp HP Education Solutions

120 (Moscone) F 8:00-9:00

Keywords: app, graphing_calculator

292.3

Unleash the Power of Games-Based Learning with Mangahigh

ExWkshp Mangahigh

123 (Moscone) F 8:00-9:00

Keyword: Games

305*

Putting Probability into Practice and the Practices into Probability

Rick A. Hudson

2004 (Moscone) F 8:00-9:15

Keyword: technology

307

Statistics and Probability in Middle and High Schools with Technology

Andres Marti, Alison Ellsworth and Elizabeth DeCarli

3010 (Moscone) F 8:00-9:15

Keyword: Technology_statistics_probability

308

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

Daniel Scher and Scott Steketee

2002 (Moscone) F 8:00-9:15

Keywords: Technology_web_based, Sketchpad_web_based

313*

How to Develop Math Curriculum Reform in Latin America (and Not Die in the Attempt)

Angel Ruiz

3016 (Moscone) F 9:30-10:30

Keyword: MOOCS

315*

Explorations with Rigid Motions in the Plane

Christine D. Thomas and Umamaheswari Subramanian

3003 (Moscone) F 9:30-10:30

Keyword: handheld_technology

318

Going Google in the Math Classroom

Kim Scarbrough

Golden Gate A (Marriott) F 9:30-10:30

Keyword: Google_apps

329*

Starting a Math Fight

John L. Stevens

3005 (Moscone) F 9:30-10:30

Keyword: online_resources

337

Using the Computerized Algebra Program ALEKS for Intermediate Courses

Lina DeVaul, Micah Stohlmann and Amy Adkins

2022 (Moscone) F 9:30-10:30

Keyword: ALEKS

339.3*

A Look at enVisionMath2.0 K–8—Now for Middle School!

ExWkshp Pearson

124 (Moscone) F 9:30-10:30

Keyword: Software_management_enVisionMath2.0

339.5

Engage Every Student with Personalized Education

ExWkshp Front Row

130 (Moscone) F 9:30-10:30

Keyword: Software_Front-Row

339.6

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

ExWkshp Renaissance Learning

123 (Moscone) F 9:30-10:30

Keyword: software_management_Renaissance-Learning

339.7*

Getting Started with Math Modeling

ExWkshp Discovery Education

122 (Moscone) F 9:30-10:30

Keyword: online_resources-modeling

343

Creating a Puppy: A Transformational Geometry Activity

Fred Decovsky

3004 (Moscone) F 9:45-11:00

Keyword: graphing_calculator

348*

Making Connections between Proportional Reasoning and Algebraic Thinking

Gloria Beswick

2008 (Moscone) F 9:45-11:00

Keyword: graphing_calculator

352*

Regressions and Statistics Demystified

Jason W. Merrill and Eli Luberoff

2004 (Moscone) F 9:45-11:00

Keywords: online, graphing_calculator_Desmos

353

Transformational Geometry—Immediate Interactive Investigations—Awesome Engaging Activities

Tom Reardon

2002 (Moscone) F 9:45-11:00

Keywords: handheld-iPad, software, technology

356

Using Technology to Teach Congruence and Similarity through Geometric Transformations

Blake Whitley and William G. McGowan

2003 (Moscone) F 9:45-11:00

Keywords: technology, digital_math_tools

359

App-Smashing: Students Products That Engage and Promote Learning

Wendy E. Bartlett

2001 (Moscone) F 11:00-12:00

Keywords: apps, Edmodo, Desmos, Haiku Deck, ThinkLink, and Nearpod

367

Facilitating Algebraic Thinking Development with Appropriate Tools and Technology

Trena Wilkerson, Ryann Shelton and Alexa Samuel

2009 (Moscone) F 11:00-12:00

Keyword: technology_tools

377*

Moving Principles into Actions: Curriculum and Technology

W. Gary Martin and Bradley M. Bearden

134 (Moscone) F 11:00-12:00

Keyword: technology

385*

What's Puzzling You?

Jane D. Tanner

Yerba Buena 10/11 (Marriott) F 11:00-12:00

Keyword: apps

385.3

Transforming Teaching and Learning with MathXL for School

ExWkshp Pearson

124 (Moscone) F 11:00-12:00

Keyword: software_management_MathXL

385.5

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

ExWkshp CanFigureIt

130 (Moscone) F 11:00-12:00

Keyword: software_CanFigureIt

385.6

Mathletics by 3P Learning

ExWkshp 3P Learning

121 (Moscone) F 11:00-12:00

Keyword: online_math_resource

390*

Three Phases of Constructing Viable Arguments

Noirin Foy and Shelley Carranza

2002 (Moscone) F 11:30-1200

Keywords: online, software_Google_Docs

391*

Writing as Communication in the Mathematics Classroom

Eileen B. Mooney

Golden Gate B (Marriott) F 11:30-12:00

Keywords: online, software_Google_Docs

397*

Cultivating Real-World Problem Solvers through Game-Based Instruction

John Sessler and Cheryl Morris

3007 (Moscone) F 12:30-1:30

Keyword: gaming

399*

Digital Tools and Three-Act Tasks: Marriages Made in the Cloud

Arjan Khalsa and Graham Fletcher

Yerba Buena 5/6 (Marriott) F 12:30-1:30

Keywords: iPad, online_tools, video, virtual manipulatives

405

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

Gail Burrill

3016 (Moscone) F 12:30-1:30

Keyword: technology

419.1*

IXL: Changing the Way Students Learn in All Subjects, All Grades!

ExWkshp IXL Learning

120 (Moscone) F 12:30-1:30

Keywords: online, software_IXL

419.3*

Form and Function in Digital Learning: Designing for Coherent Trajectories, Social Engagement, and Personal Growth in Mathematics

ExWkshp DreamBox Learning

122 (Moscone) F 12:30-1:30

Keyword: online, software_management_Dreambox

419.5

Using Technology to Support Observational Assessments in K-5

ExWkshp Pearson

124 (Moscone) F 12:30-1:30

Keyword: technology_assessment

419.7*

Finally! A Coaching Framework That's Actually about the Math

ExWkshp MQI Coaching

130 (Moscone) F 12:30-1:30

Keyword: video, virtual_coaching

425

Complex Numbers in GeoGebra; Algebra, Geometry, and Matrices

Roberto C Soto and Armando M. Martinez-Cruz

2002 (Moscone) F 1:00-2:15

Keyword: software_Geogebra, BYOD

427

Exploring Rigor and Coherence with Technology-Based Tasks

Melissa G. Haun and Patrick Bethel

3022 (Moscone) F 1:00-2:15

Keyword: technology

447

Using Technology Strategically to Build Understanding of Crucial Math Concepts

Annie Fetter

301 (Moscone) F 2:00-3:00

Keyword: technology

448

Excel in Elementary Mathematics

Andrew Bonaparte

Golden Gate A (Marriott) F 2:00-3:00

software_Excel

449*

Flipping Out in AP Calculus and Geometry Using Technology

Joanne M. Ryan and Juan S. de la Cruz

2005 (Moscone) F 2:00-3:00

Keyword: technology_collaboration

451*

Inclusive Middle Level Math Instruction

Erin K. Barry and Christine Jenkins

3003 (Moscone) F 2:00-3:00

Keyword: programming

454*

Seeing Is Believing: Using Video Reflection Techniques to Strengthen Instruction

Norma Boakes

2022 (Moscone) F 2:00-3:00

Keyword: video_reflection

458

Technology and Intellectual Need

Eli Luberoff

3005 (Moscone) F 2:00-3:00

Keyword: technology

465.5

Purposeful Technology: Moving beyond Buzzwords to Transform Learning

ExWkshp McGraw-Hill Education

125 (Moscone) F 2:00-3:00

Keyword: technology

465.7

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

ExWkshp Learning Upgrade

123 (Moscone) F 2:00-3:00

Keyword: media

467

Coding to Enrich All Math Courses

Jason Slowbe

3006 (Moscone) F 2:45-4:00

Keywords: coding, BYOD, graphing_calculator

474*

Making Sense of Essential Statistics for the Next Generation

Karen L. Fonkert

3011 (Moscone) F 2:45-4:00

Keyword: software_core_math_tools

478

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

Josh D. Fisher

Golden Gate C2 (Marriott) F 2:45-4:00

Keyword: coding_python

479*

Simple and Rich STEM Activities Using Painless Video Analysis

Raphael C. Carlson and Mike J Reiners

2004 (Moscone) F 2:45-4:00

Keyword: software, video

480*

#SlowMath: Looking for Meaning before the Procedure

Jennifer C. Wilson and Jill L. Gough

2003 (Moscone) F 2:45-4:00

Keywords: technology, twitter_hashtag

491

Dynamic Geometry: A Mathematical Playground

Margaret C. Patterson

2001 (Moscone) F 3:30-4:30

Keywords: software_dynamic_geometry, virtual

499

Preparing Students for Their Futures: What Technology Leaders Value in Prospective Employees

Jim Ryan, Doris Tong, Gloria Kimbwala, Mark Petrovic and Nikki Lasley

2024 (Moscone) F 3:30-4:30

Keyword: *technology_panel*

511.1

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

ExWkshp Mathspace

122 (Moscone) F 3:30-4:30

Keywords: *BYOD, software_Mathspace*

511.3

Implementing Blended Learning: Best Practices for the K–8 Math Classroom

ExWkshp Curriculum Associates

125 (Moscone) F 3:30-4:30

Keyword: *blended_learning*

511.7*

ShadowCon 2016

ShadowCon Speakers

Yerba Buena 7 (Marriott) F 5:00-6:30

Saturday, April 16, 2016

517

Designing Assessment Structures That Work

Erik Laby and David C. Wees

3005 (Moscone) S 8:00-9:00

Keyword: *technology*

531

Demonstrating the Relevance of Mathematics through Modeling Using Technology

Farshid Safi and George J. Roy

3010 (Moscone) S 8:00-9:15

Keyword: *technology*

532*

Equity and Access: Growing Math Identities of English Learners through Discourse

Cathy Kinzer, Kathryn Million and Kathryn B. Chval

302 (Moscone) S 8:00-9:15

Keyword: GoPro_head_cameras

547

A Standard Framework for Tablet Applications in Mathematics Education

Razieh Shahriari and Ryan V. Thomas

2011 (Moscone) S 9:30-10:30

Keyword: apps, smart_phone, tablet

550

Fluency in CCSSM: Connecting Instruction and Assessment

Jody Guarino and Cathery Yeh

3009 (Moscone) S 9:30-10:30

Keywords: software_illustrative_mathematics, digital_library

551

Google Docs and Desmos in the Secondary Math Class

Shelley Carranza and Noirin Foy

2007 (Moscone) S 9:30-10:30

Keywords: google_docs, desmos

553

In Pursuit of Representing the Reasoning and Modeling Practices

Michelle Worthington and Luis Saldivia

3016 (Moscone) S 9:30-10:30

Keyword: computer_based

557

SOCS Makes Sense with Technology

Dawn Lockett and Amy Adkins

3005 (Moscone) S 9:30-10:30

Keywords: apps, graphing_calculator_TI-Nspire, Tuva_labs

561*

Write in the Middle . . . of Literacy, Math, and Technology!

Kelley E. Gould and John F. McAdam

3012 (Moscone) S 9:30-10:30

Keywords: online_resources, technology