

Technology-related Sessions at NCTM Meeting in New Orleans

Thursday, April 10, 2014

Are you a speaker? Want to update your listing?

Contact: ihor@clime.org and he will update with your photo, links etc. Work in progress.

Edited: 1/20/14 6:10pm

5

"Apps"-o-lutely

Dorothy Varygiannes, Judith Bazler and Letty Graybill

Grade Band Audience: *General Interest/All Audiences*

Rosedown (Hilton)

Thursday, 8:00-9:00

Key word(s): Apps, STEM

11

Inside TeachFest: How technology supports LearnZillion's Professional Learning Communities

Eric D. Westendorf

Grade Band Audience: *General Interest/All Audiences*

Grand Salon 3-6 (Hilton)

Thursday, 8:00-9:00

Key word(s): learnzillion.com

22

Because of Math: Why Storytelling Makes Math More Exciting

Kira Jeanne Donnelly

Grade Band Audience: *6 to 8, 9 to 12*

Grand Ballroom C (Hilton)

Thursday, 8:00-9:00

Key word(s): Stories

25

Using Dynamic Software for All the Right Reasons

Chuck Friesen

Grade Band Audience: *6 to 8, 9 to 12*

R09 (Convention Center)

Thursday, 8:00-9:00

Key word(s): Dynamic_software, Geogebra

40

From Paper Constructions to Technology: Investigating Parallel Lines and Angles

Bhesh R. Mainali, Janet B. Andreasen and Edward M. Knot

Grade Band Audience: *6 to 8*

240/241 (Convention Center)

Thursday, 8:00-9:15

Key word(s): Technology, Geogebra

43

Algebraic Thinking, Modeling, and the Common Core

Ruth Casey and Margaret A. Bambrick

Grade Band Audience: 6 to 8, 9 to 12

R08 (Convention Center)

Thursday, 8:00-9:15

Key word(s): TI-Nspire_handhelds, Internet_resources, software, TI-Navigator, technology

48

UbD²: Understanding by Desmos Drawing

Luke T. Walsh

Grade Band Audience: 6 to 8, 9 to 12

R02 (Convention Center)

Thursday, 8:00-9:15

Key word(s): Desmos, graphing_calculator

51

What's Your Domain? Get the Facts!

Georgia Cobbs, Lisa Scott and Brian Lindaman

Grade Band Audience: *Preservice and Inservice*

217 (Convention Center)

Thursday, 8:00-9:15

Key word(s): Illuminations

56

Principles to Actions: What's Exciting about NCTM's New Blueprint?

Steven Leinwand

Grade Band Audience: *General Interest/All Audiences*

Great Hall A/D (Convention Center)

Thursday, 9:30-10:30

Key word(s): Technology

66

Flip It Good! Creating an Interactive Flipped Math Experience

Lloyd Jonathan Goldberg and Sara Boucher

Grade Band Audience: 3 to 5, 6 to 8

223 (Convention Center)

Thursday, 9:30-10:30

Key word(s): iPad, apps, flipped_classroom

73

Using Three-Act Video Tasks and Using Them Well!

Valerie Lynn Mills

Grade Band Audience: 6 to 8, 9 to 12

R03 (Convention Center)

Thursday, 9:30-10:30

Key word(s): Video_three_act, online

75

The Conic Sections: From Paper Folding to Sketches to Equations

Loring Coes

Grade Band Audience: 9 to 12

243 (Convention Center)

Thursday, 9:30-10:30

Key word(s): Dynamic_sketches

77

How to Teach Geometry . . . without Technology!

David K. Masunaga

Grade Band Audience: 9 to 12, Preservice and Inservice

Grand Ballroom A (Hilton)

Thursday, 9:30-10:30

Key word(s): Technology_without

80

Technology Course for Preservice Math Teachers

Sharon Vestal and Christine Lynne Larson

Grade Band Audience: Higher Education, Preservice and Inservice

230 (Convention Center)

Thursday, 9:30-10:30

Key word(s): Technology, calculator, iPad, Smart_board, Promethean_board, Promethan_slates, Geogebra, VoiceThread, Edmodo, Schoology, Twitter

89

Earth by the Numbers

Carol Bliese

Grade Band Audience: 3 to 5, 6 to 8

238/239 (Convention Center)

Thursday, 9:45-11:00

key word(s): STEM

93

Algebra on My Mind: Tools to Promote Algebraic Reasoning

David C. Webb

Grade Band Audience: 6 to 8, 9 to 12

217 (Convention Center)

Thursday, 9:45-11:00

key word(s): technology

95

Flipping Out about Math

Shannon Roche and Erin Whitaker

Grade Band Audience: 6 to 8, 9 to 12

Grand Ballroom B (Hilton)

Thursday, 9:45-11:00

key word(s): technology

100

Transformational Geometry: Travel through the Common Core!

Vivian La Ferla

Grade Band Audience: 6 to 8, 9 to 12

R04 (Convention Center)

Thursday, 9:45-11:00

key word(s): technology, laptop, thumb drive

101

Want to Work for Pixar? Start Here with TI-84 Animations!

Patricia Baggett and Andrzej Ehrenfeucht

Grade Band Audience: 6 to 8, 9 to 12

Oak Alley (Hilton)

Thursday, 9:45-11:00

key word(s): TI-84, movies

102

Algebra Activities from Automotive, Business, and Construction Topics

Tom W. Moore

Grade Band Audience: 9 to 12

Grand Salon 15-18 (Hilton)

Thursday, 9:45-11:00

key word(s): Project-based

107

The National Science Foundation and the Improvement of Mathematics Education

Joan Ferrini-Mundy

Grade Band Audience: *General Interest/All Audiences*

Grand Ballroom A (Hilton)

Thursday, 9:45-11:00

key word(s): technologies (new)

121

Ratio and Proportion: A Common Core Progression for Grades 6–7

Duane Habecker and Mary Anne Freitas

Grade Band Audience: 6 to 8

Grand Salon 19-22 (Hilton)

Thursday, 9:45-11:00

key word(s): flipped_classroom, videos

125

I See It: Visual Sense Making of Radicals and More

Marc Garneau

Grade Band Audience: 6 to 8, 9 to 12

242 (Convention Center)

Thursday, 11:00-12:00

key word(s): technology

128

Modeling Problems That Bring the Common Core to Life

Maria L. Hernandez

Grade Band Audience: 9 to 12

Grand Ballroom C (Hilton)

Thursday, 11:00-12:00

key word(s): TI_probes, data_capture, videos

132

Defining STEM

Patrick N. Foster

Grade Band Audience: *General Interest/All Audiences*

244 (Convention Center)

Thursday, 11:30-12:00

key word(s): STEM

133

Egyptians and Engineering: Elementary We Say!

Charyl Kerns Hills and Mary Petetti Doherty

Grade Band Audience: *General Interest/All Audiences*

Napoleon Ballroom (Hilton)

Thursday, 11:30-12:00

key word(s): STEM, Engineering

134

iLearn Math: Exploring iOS Apps for Mathematics Education

Lucy Bush and Jeffrey S. Hall

Grade Band Audience: *General Interest/All Audiences*

Versailles (Hilton)

Thursday, 11:30-12:00

key word(s): IOS, Apps, iPads, iPhones, iPod_touch, wiki

140

Integrating Student-Generated Video, Audio and Images into Math Discussions

Megan E. Balong and Katherine Decker

Grade Band Audience: *PreK to 2*

Grand Salon 15-18 (Hilton)

Thursday, 11:30-12:00

key word(s): iPads, video, audio, images

148

Using Virtual Manipulatives in an Algebra Class

Martha Tapia

Grade Band Audience: *6 to 8, 9 to 12*

R04 (Convention Center)

Thursday, 11:30-12:00

key word(s): virtual_manipulatives

153

[iPad Quests for Functional Relations with Dynagraph](#)

Taehoon Choi, Jihyun Hwang and Laurentius A. Susadya

Grade Band Audience: *Preservice and Inservice*

240/241 (Convention Center)

Thursday, 11:30-12:00

Key word(s): iPad, Quests, Dynagraphs, technology

160

[Enhancing Mathematics Instruction with iPad Apps Aligned to CCSS](#)

Selma Powell

Grade Band Audience: *PreK to 2*

R03 (Convention Center)

Thursday, 12:30-1:30

Key word(s): iPad, Apps

165

[Demystifying Multiplication and Division of Fractions](#)

Melissa Hedges and Connie Laughlin

Grade Band Audience: *3 to 5*

R01 (Convention Center)

Thursday, 12:30-1:30

Key word(s): Online_visual_models

169

[Exploring the Mean Absolute Deviation of Backpack Weights](#)

Kathryn G. Shafer

Grade Band Audience: *6 to 8*

Grand Salon 9-12 (Hilton)

Thursday, 12:30-1:30

Key word(s): Software, Tinker_plots

178

[Core Math Tools: Building \(+\) Transitions to College Mathematics and Statistics](#)

Brin A. Keller

Grade Band Audience: *9 to 12*

242 (Convention Center)

Thursday, 12:30-1:30

Key word(s): Software, NCTM_Core_Math, technology, spreadsheet, CAS, dynamic_geometry, simulations, data_analysis

179

[Using Video to Research and Improve Teaching](#)

Beth E. Ritsema

Grade Band Audience: *9 to 12*

Jasperwood (Hilton)

Thursday, 12:30-1:30

Key word(s): video

181

Matrices in Action

Brett S. Stephenson

Grade Band Audience: *9 to 12, Higher Education*

243 (Convention Center)

Thursday, 12:30-1:30

Key word(s): technology, graphing_calculators

182

Supporting STEM Teaching and Learning through Communities (S2TLC)

Sandra R. Madden

Grade Band Audience: *Higher Education, Preservice and Inservice*

230 (Convention Center)

Thursday, 12:30-1:30

Key word(s): STEM

192

Free Apps and Games That Motivate Mastery of Mathematical Practices

Sarah DeLeeuw and Ann Kong

Grade Band Audience: *3 to 5, 6 to 8*

211/212 (Convention Center)

Thursday, 1:00-2:15

Key word(s): Apps

203

Tactile Trigonometry: A Hands-On and Technology-Focused Approach

Amy Gersbach and Ingrid Williams

Grade Band Audience: *9 to 12*

244 (Convention Center)

Thursday, 1:00-2:15

Key word(s): technology

204

An Introduction to TI-84 Calculator Programming Using the TI-BASIC Programming Language

John L. Isaacs

Grade Band Audience: *9 to 12, Preservice and Inservice*

210 (Convention Center)

Thursday, 1:00-2:15

Key word(s): TI-84, programming, TI_BASIC, calculator

205

Infusing Social Media into the Mathematics Classroom

Kristopher Childs and Vernita Glenn-White

Grade Band Audience: *Preservice and Inservice*

R04 (Convention Center)

Thursday, 1:00-2:15

Key word(s): Social_Media, technology

207

Online PD Resources for Mathematical Practices: Seeing Structure and Generalizing

Joanne Rossi Becker

Grade Band Audience: *General Interest/All Audiences*

Grand Ballroom A (Hilton)

Thursday, 2:00-3:00

Key word(s): Online

212

Building Mathematical Communities: Fostering Persistent Learners

Amy Mayfield and Patty Clark

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

Grand Salon 9-12 (Hilton)

Thursday, 2:00-3:00

Key word(s): Mathematical_communities, video

219

Manipulate Your Way to Proportional Reasoning!

Kevin Dykema

Grade Band Audience: *6 to 8*

Grand Salon 3-6 (Hilton)

Thursday, 2:00-3:00

Key word(s): Virtual_manipulatives

224

Inspire Your Students with the TI-Nspire CAS iPad App

Gus Elmashni

Grade Band Audience: *6 to 8, 9 to 12*

R07 (Convention Center)

Thursday, 2:00-3:00

Key word(s): TI-Nspire, CAS, iPad, app

229

Transforming Geometry for Tomorrow's Classroom

Shawn W. Trotter and Kelly Phelan

Grade Band Audience: *9 to 12*

R05 (Convention Center)

Thursday, 2:00-3:00

Key word(s): Flipped_classroom, iPads

230

Using Social Networks to Teach Graph Theory

Todd A. Abel

Grade Band Audience: *9 to 12*

Rosedown (Hilton)

Thursday, 2:00-3:00

Key word(s): Social_networks

231

Tablet PC: Superior Technology for ELLs and Struggling Students

Angela Thompson

Grade Band Audience: *9 to 12, Higher Education*

Jasperwood (Hilton)

Thursday, 2:00-3:00

Key word(s): Tablet_PC

232

The Mathematics of Casino/Hotel Management

Micah Stohlmann, Cathrine Maiorca and Travis Olson

Grade Band Audience: *9 to 12, Preservice and Inservice*

Melrose (Hilton)

Thursday, 2:00-3:00

Key word(s): math_modeling, websites

244

Keep on Rockin' with Scissors and Paper: Hands-On Spatial Reasoning

Sara Normington and Jennifer Rising

Grade Band Audience: *3 to 5, 6 to 8*

210 (Convention Center)

Thursday, 2:00-3:00

Key word(s): iPad, apps, technology

249

Enhancing Mathematics in the Classroom with Online Tools and Lessons

Eli Luberoff

Grade Band Audience: *6 to 8, 9 to 12*

228/229 (Convention Center)

Thursday, 2:45-4:00

Key word(s): Online_tools, Desmos, NCTM_Illuminations, Mathalicious, BYOD

254

Technology's Role in CCSS: Student Engagement and Rich Mathematical Tasks

Farshid Safi and George J. Roy

Grade Band Audience: *9 to 12, Preservice and Inservice*

Grand Ballroom B (Hilton)

2:45-4:00

Key word(s): Technology, iPad, apps, Online_resources

262

Building "Mathematical Talk" in an Early Childhood Flipped Classroom

Kelley E. Buchheister

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

235/236 (Convention Center)

Thursday, 3:30-4:30

Key word(s): Flipped_classroom

268

Advancing the "M" in STEM with Mindstorms and Measurement

Megan Nickels and Cheryl L. Eames
Grade Band Audience: 3 to 5, 6 to 8

R09 (Convention Center)

Thursday, 3:30-4:30

Key word(s): STEM, Robotics, Lego_mindstorms

275

Essential Fourth-Year Alternatives for College and Career Readiness

Kevin P. Waterman, Al Cuoco and Elena Kaczorowski
Grade Band Audience: 9 to 12

242 (Convention Center)

Thursday, 3:30-4:30

Key word(s): STEM

277

Harnessing Dynamic Computer Algebra in Support of Mathematics Assessment

Thomas P. Dick
Grade Band Audience: 9 to 12, Higher Education

Grand Salon 9-12 (Hilton)

Thursday, 3:30-4:30

Key word(s): Technology, Dynamic_algebra, computer

Friday, April 11, 2014

282

Collaborate to Educate: Creating a Professional E-Learning Community

Nancy J. Sattler
Grade Band Audience: General Interest/All Audiences

242 (Convention Center)

Friday, 8:00-9:00

Key word(s): E_learning_community

292

Developing Fraction Number Sense and Reasoning on the Number Line

Nadine Bezuk and Steve Klass
Grade Band Audience: 3 to 5, 6 to 8

R03 (Convention Center)

Friday, 8:00-9:00

Key word(s): Online_tools

295

King Math's Table With Sir Cumference, Vikings, Pythagoras, and Greedy Triangle!

John F. McAdam and Kelley Gould
Grade Band Audience: 3 to 5, 6 to 8

R01 (Convention Center)

Friday, 8:00-9:00

Key word(s): Online_tools

302

Real STEM: Mathematics in an Interdisciplinary Context

Robert Lee Mayes

Grade Band Audience: 6 to 8, 9 to 12

Grand Salon 19-22 (Hilton)

Friday, 8:00-9:00

Key word(s): STEM

303

Technology Integration in Task-Based Learning

Erin M. Pinning, Melina L. Dyer and Amanda Godsil

Grade Band Audience: 6 to 8, 9 to 12

Grand Ballroom C (Hilton)

Friday, 8:00-9:00

Key word(s): Technology, smartphone, tablet

305

Cool Math from Cool Graphs

Mark Howell

Grade Band Audience: 9 to 12

225/226/227 (Convention Center)

Friday, 8:00-9:00

Key word(s): Technology, smartphone, tablet

307

Flipping with a Twist: Promoting Inquiry while Flipping the Classroom

Jonathan M. Osters

Grade Band Audience: 9 to 12

R07 (Convention Center)

Friday, 8:00-9:00

Key word(s): Flipped_classroom

309

Math Teachers and Social Media: Professional Collaboration or Support Group?

Raymond Johnson

Grade Band Audience: *Preservice and Inservice*

Jasperwood (Hilton)

Friday, 9:30-10:30

Key word(s): Blogs, Twitter, Google+, Facebook, Social_media

324

Creatively Integrate 1,000 Free Interactive Activities for iPads, Computers, and Handheld Devices

Tom Reardon

Grade Band Audience: 6 to 8, 9 to 12

Grand Salon 4-7-10 (Hilton)

Friday, 8:00-9:15

Key word(s): iPads, Computers, Hand-held_devices, TI-Nspire, software, apps

326

Real-World Lessons with Mathalicious

Matt Lane and Karim K. Ani

Grade Band Audience: 6 to 8, 9 to 12

Grand Ballroom D (Hilton)

Friday, 8:00-9:15

Key word(s): Mathalicious.com

328

Handheld Technology + Hands-On Activities = CCSS Success!

Tom Beatini

Grade Band Audience: 9 to 12

228/229 (Convention Center)

Friday, 8:00-9:15

Key word(s): Handheld_technology

333

Teaching and Leading Beyond a Test

Jose Vilson

Grade Band Audience: *General Interest/All Audiences*

206 (Convention Center)

Friday, 9:30-10:30

Key word(s): Technology

335

Video Games and Making Math More like Things Student Like

Dan Meyer

Grade Band Audience: *General Interest/All Audiences*

Great Hall A/D (Convention Center)

Friday, 9:30-10:30

Key word(s): Video_games

348

Communicating Calculations: Using Writing, Speaking, and Video to Explain Thinking

Beth E. Nickle and Erin Igo

Grade Band Audience: 6 to 8

Grand Salon 13-16 (Hilton)

Friday, 9:30-10:30

Key word(s): iPads

351

Augmented Reality Takes Students to the Real World of Mathematics

Rachelle Meyer, Doug Rogers and Trena L. Wilkerson

Grade Band Audience: 6 to 8, 9 to 12

Grand Salon 21-24 (Hilton)

Friday, 9:30-10:30

Key word(s): Augmented_reality, smart_devices

359

Flipping the Classroom: Lectures and Homework Trade Places

Jenna R. Van Sickle

Grade Band Audience: *9 to 12, Higher Education*

242 (Convention Center)

Friday, 9:30-10:30

Key word(s): *Flipped_classroom*

365

Making Sense of Number: "There IS an App for That!"

Beverly S. Vogt and Wanda C. Noblin

Grade Band Audience: *PreK to 2*

211/212 (Convention Center)

Friday, 9:45-11:00

Key word(s): *App*

371

Developing Students' Conceptual Understanding and Reasoning about Fraction Division

Steve Klass and Nadine Bezuk

Grade Band Audience: *3 to 5, 6 to 8*

R08 (Convention Center)

Friday, 9:45-11:00

Key word(s): *Online*

372

Exploring Centers and Variability with Balls, Cars, and Data

Laurie Boswell

Grade Band Audience: *3 to 5, 6 to 8*

R06 (Convention Center)

Friday, 9:45-11:00

Key word(s): *Technology*

379

Construction Zone: Creating Geometric Constructions Using Various Tools and Methods

Kelli Ireton and Sherri L. Martinie

Grade Band Audience: *9 to 12*

221/222 (Convention Center)

Friday, 9:45-11:00

Key word(s): *Technology*

383

Know When to Roll Them: A Real and Complex Numbers Activity

Kathleen Cage Mittag

Grade Band Audience: *9 to 12, Preservice and Inservice*

Grand Salon 15-18 (Hilton)

Friday, 9:45-11:00

Key word(s): *graphing_calculator*

384

Complete STEM: Problem-Based STEM Tasks from PD to Classroom

Mike Long, Padmanabhan Seshaiyer and Jennifer Suh

Grade Band Audience: *Preservice and Inservice*

Oak Alley (Hilton)

Friday, 9:45-11:00

Key word(s): STEM

390

Using Technology While Engaging Learners in a Collaborative Mathematics Environment

Angela M. Waltrup and Dr. Christopher R. Horne

Grade Band Audience: *PreK to 2*

242 (Convention Center)

Friday, 11:00-12:00

Key word(s): Technology, QR_codes

391

Exploring Mathematical Practice Standards Through Teaching Channel Videos

Lily Jones

Grade Band Audience: *General Interest/All Audiences*

214 (Convention Center)

Friday, 11:00-12:00

Key word(s): Videos

395

Visual Models for Number Facts: Ten Frames, Hundred Boards, and More

Peter S. Price

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

R01 (Convention Center)

Friday, 11:00-12:00

Key word(s): Computer_models

397

Recommended Apps and Strategies to Help Children Master Mathematical Concepts

Leslee Francis Pelton and Tim Pelton

Grade Band Audience: *3 to 5, 6 to 8*

Jefferson Ballroom (Hilton)

Friday, 11:00-12:00

Key word(s): Apps

398

Math 2.0: A New Vision for Learning and Teaching Math

Ihor Charischak

Grade Band Audience: *6 to 8*

Grand Ballroom A (Hilton)

Friday, 11:00-12:00

Key word(s): Web_2.0, Math_2.0, software, dynamic_geometry, apps

402

Keeping It Real: Teaching Math through Real-World Topics

Karim K. Ani

Grade Band Audience: 6 to 8, 9 to 12

Great Hall B/C (Convention Center)

Friday, 11:00-12:00

Key word(s): Mathalicious.com

404

Mathematics beyond the Classroom: Field Trips for Students with iPads

Ron Lancaster

Grade Band Audience: 6 to 8, 9 to 12

225/226/227 (Convention Center)

Friday, 11:00-12:00

Key word(s): iPads, digital_content

406

AP Computer Science Principles: A New AP Course and Exam

Lien Diaz, Owen Astrachan and Richard Kick

Grade Band Audience: 9 to 12

Rosedown (Hilton)

Friday, 11:00-12:00

Key word(s): Computer_science, STEM

410

MAI: Matrices, Audio, and Images—What's in Common

Susan G. Helser

Grade Band Audience: 9 to 12, Higher Education

230 (Convention Center)

Friday, 11:00-12:00

Key word(s): Images, Audio, technology

427

The How and Why of Integrated STEM Model-Eliciting Activities

Cathrine Maiorca and Micah Stohlmann

Grade Band Audience: 6 to 8, Preservice and Inservice

221/222 (Convention Center)

Friday, 11:30-12:00

Key word(s): STEM

428

Algebra in the Common Core Classroom

DeAnna N. Owens

Grade Band Audience: 6 to 8, 9 to 12

R04 (Convention Center)

Friday, 11:30-12:00

Key word(s): Technology

433

Interactive Videos: Engaging Students in and out of the Classroom

Haitham S. Solh

Grade Band Audience: 9 to 12, Higher Education

Grand Ballroom D (Hilton)

Friday, 11:30-12:00

Key word(s): Interactive_video

440

Flipped Mastery Learning: Mathematics without Boundaries

Michael J. Brust, Corey Sullivan and Tim Kelly
Grade Band Audience: *General Interest/All Audiences*

245 (Convention Center)

Friday, 12:30-1:30

Key word(s): *Flipped_mastery, flippedmath.com*

449

Fractions as Numbers: Eliciting Student Thinking through Questioning Techniques

Crystal Marie Vesperman and Julie Amador

Grade Band Audience: *3 to 5*

Belle Chasse (Hilton)

Friday, 12:30-1:30

Key word(s): *Video_scenarios*

451

Take the Leap: Use Mathematical Errors as Springboards for Learning

Wendy S. Bray

Grade Band Audience: *3 to 5, 6 to 8*

235/236 (Convention Center)

Friday, 12:30-1:30

Key word(s): *Video, simulation*

455

Algebra Nation: A Free Online Student Resource

Joy Bronston Schackow, Cynthia Greenberg and Melody Pak

Grade Band Audience: *6 to 8, 9 to 12*

Jefferson Ballroom (Hilton)

Friday, 12:30-1:30

Key word(s): *Online, e-learning, Algebra_Nation*

458

The Flipped Math Class: Why We Love It!

Ilana B. Marcus, Karen Strader and Stephanie Adams

Grade Band Audience: *6 to 8, 9 to 12*

Great Hall B/C (Convention Center)

Friday, 12:30-1:30

Key word(s): *Flipped_classroom, iPad, Camtasia*

460

"What If?" Questions in Real-World Contexts: Sensitivity Analysis

Thomas G. Edwards, S. Asli Özgün-Koca and Kenneth R. Chelst

Grade Band Audience: *9 to 12, Higher Education*

Melrose (Hilton)

Friday, 12:30-1:30

Key word(s): *Excel, Solver*

465

[The Mathtwitterblogosphere: Creating Your Own Online Professional Learning Communities](#)

Ashli J. Black and Chris Hunter

Grade Band Audience: *Preservice and Inservice*

225/226/227 (Convention Center)

Friday, 12:30-1:30

Key word(s): Twitter, blogs

474

[Talk Moves: Tools for Building Productive Discussions in Math Class](#)

Nancy C. Anderson

Grade Band Audience: *3 to 5*

Versailles (Hilton)

Friday, 1:00-2:15

Key word(s): Video_clips

476

[What Does Number Sense for Rational Numbers Look Like?](#)

Terry R. Wyberg, Cristina Miller and Sue Ahrendt

Grade Band Audience: *3 to 5, 6 to 8*

238/239 (Convention Center)

Friday, 1:00-2:15

Key word(s): Video

480

[NASA Smart Skies: Math and Technology in Air Traffic Control](#)

Rebecca A. Green and Gregory W. Condon

Grade Band Audience: *6 to 8*

R02 (Convention Center)

Friday, 1:00-2:15

Key word(s): Technology, online, app, Air_Traffic_Control

483

[Practicing Mathematical Practices](#)

Christine Lynne Larson and Sharon Vestal

Grade Band Audience: *6 to 8, Preservice and Inservice*

217 (Convention Center)

Friday, 1:00-2:15

Key word(s): iPad, apps, computer_programs

485

[Implementing GeoGebra, the Dynamic Mathematics Touch Screen Applet](#)

Edward M. Knotte, Erhan Selcuk Haciomeroglu and Bhesh R. Mainali

Grade Band Audience: *6 to 8, 9 to 12*

Magnolia (Hilton)

Friday, 1:00-2:15

Key word(s): Geogebra, Dynamic_math, touch_screen, applet

487

Finding Volumes of Solids of Revolution

Theresa A. Guard

Grade Band Audience: 9 to 12

210 (Convention Center)

Friday, 1:00-2:15

Key word(s): Graphing_calculator, Powerpoint

489

Cryptography: Keeping Secrets Using Algebra and Geometry

André Mathurin

Grade Band Audience: 9 to 12, Preservice and Inservice

203/204/205 (Convention Center)

Friday, 1:00-2:15

Key word(s): e-mail, texting

493

Fostering Gender Equity: Classroom Ideas and Strategies

Jessica M. Deshler and Elizabeth A. Burroughs

Grade Band Audience: General Interest/All Audiences

245 (Convention Center)

Friday, 2:00-3:00

Key word(s): STEM

495

One of Us: Every Teacher a Blogging Teacher

Kate Nowak

Grade Band Audience: General Interest/All Audiences

225/226/227 (Convention Center)

Friday, 2:00-3:00

Key word(s): Blogging, online

510

Harnessing the Power of Technology: Simulations for Learning Algebra Concepts

Erhan Selcuk Haciomeroglu, Janet B. Andreasen and Selma Powell

Grade Band Audience: 6 to 8, 9 to 12

Grand Salon 9-12 (Hilton)

Friday, 2:00-3:00

Key word(s): Technology, simulation

511

Setting the Scene: Designing Your Problem-Based Classroom

Geoff M. Krall (gkrall@newtechnetwork.org)

Grade Band Audience: 6 to 8, 9 to 12

Jefferson Ballroom (Hilton)

Friday, 2:00-3:00

Key word(s): newtechnetwork.org

515

Rainforests and Drive-Ins: Modeling the Changing Climate with a TI-Nspire

Chris Henderson and Jay Vick
Grade Band Audience: 9 to 12

Grand Ballroom A (Hilton)

Friday, 2:00-3:00

Key word(s): TI-Nspire

517

Deaf Students in the Mathematics Classroom: Ideas for Instruction

Dawn Hoyt Kidd, Carol E. Marchetti and Gary C. Blatto-Vallee
Grade Band Audience: 9 to 12, Higher Education

242 (Convention Center)

Friday, 2:00-3:00

Key word(s): Technological, online_videos

521

Building Fraction Sense with Manipulatives and Technology

Barbara Boschmans and Brian P. Beaudrie
Grade Band Audience: PreK to 2, 3 to 5

R08 (Convention Center)

Friday, 2:45-4:00

Key word(s): Technology, iPad

532

Data and Slope and Intercepts, Oh My!

Jared E. Derksen
Grade Band Audience: 6 to 8, 9 to 12

211/212 (Convention Center)

Friday, 2:45-4:00

Key word(s): Technology, graphing_calculators

533

Engaging the Struggling Learner: Technology Can Help!

Carolyn Briles and Connie S. Schrock
Grade Band Audience: 6 to 8, 9 to 12

R04 (Convention Center)

Friday, 2:45-4:00

Key word(s): Technology, virtual_manipulatives, videos

536

Fundamental Theorem of Calculus (FTC): Integration, Differentiation, and Conceptual Understanding Using Technology

Mike Koehler
Grade Band Audience: 9 to 12

240/241 (Convention Center)

Friday, 2:45-4:00

Key word(s): Technology

551

Helping Parents Help Children: Teaching Mathematical Practices through Technology

Julie Amador

Grade Band Audience: 3 to 5

R05 (Convention Center)

Friday, 3:30-4:30

Key word(s): Technology, videos

553

Chopsticks, Lobsters, and Roadrunners: How Are They Related?

Nicole Panorkou and Alan P. Maloney

Grade Band Audience: 3 to 5, 6 to 8

225/226/227 (Convention Center)

Friday, 3:30-4:30

Key word(s): Videos

555

Middle School Math Sightings

Mark Roddy

Grade Band Audience: 6 to 8

R09 (Convention Center)

Friday, 3:30-4:30

Key word(s): Web, Web_site

556

Explore, Understand, Represent, and Communicate: Using iPads to Create Understandings

Tim Pelton and Leslee Francis Pelton

Grade Band Audience: 6 to 8, Preservice and Inservice

Great Hall A/D (Convention Center)

Friday, 3:30-4:30

Key word(s): iPads, videos

559

When We Will Ever Use This?

Scott D. Oliver

Grade Band Audience: 6 to 8, 9 to 12

Elmwood (Hilton)

Friday, 3:30-4:30

Key word(s): Internet_security

Saturday, April 12, 2014

567

Online Professional Learning Opportunities for Mathematics Educators

David C. Wees

Grade Band Audience: General Interest/All Audiences

R07 (Convention Center)

Saturday, 8:00-9:00

Key word(s): Online_professional_learning

574

Motivating Students via Technology with Three Acts

Eric Milou

Grade Band Audience: 6 to 8

225/226/227 (Convention Center)

Saturday, 8:00-9:00

Key word(s): Internet_generation, videos

578

Are Students Using Technology or Is Technology Using Them?

Avery Pickford

Grade Band Audience: 6 to 8, 9 to 12

223 (Convention Center)

Saturday, 8:00-9:00

Key word(s): e-textbooks, Khan_Academy, MOOCs, Math_2.0

581

Mathematical Modeling: The Core of the Common Core State Standards (CCSS)

Christian R. Hirsch

Grade Band Audience: 9 to 12, Preservice and Inservice

Great Hall B/C (Convention Center)

Saturday, 8:00-9:00

Key word(s): Software, Core_Math_Tools

591

Coordinate Plane Transformations: Have You Got the Right Image?

Margaret A. Bambrick and Ruth Casey

Grade Band Audience: 6 to 8, 9 to 12

203/204/205 (Convention Center)

Saturday, 8:00-9:15

Key word(s): TI-Nspire_navigator

592

I Hate Math! Strategies for Creating Positive Disposition toward Mathematics

Vanessa E. Cleaver and Marcelline Carr

Grade Band Audience: 6 to 8, 9 to 12

R08 (Convention Center)

Saturday, 8:00-9:15

Key word(s): Technology

593

STEM Topics: Making Them Engaging and Meaningful

Leslie A. Texas and Tammy L. Jones

Grade Band Audience: 6 to 8, 9 to 12

217 (Convention Center)

Saturday, 8:00-9:15

Key word(s): STEM

595

You Mean I Can Do This WITHOUT a Calculator?!

Cindy Percival and Jeffrey Marks

Grade Band Audience: 9 to 12

215/216 (Convention Center)

Saturday, 8:00-9:15

Key word(s): Calculator, TI-Nspire

606

Numerical Problem Posing Based on Photographs

Carmen Burgues and Roser Codina

Grade Band Audience: 6 to 8, Preservice and Inservice

230 (Convention Center)

Saturday, 9:30-10:30

Key word(s): Digital_photography

608

Beyond Right Triangles: Exploring Trigonometry with New Technology

Michael J. Grasse

Grade Band Audience: 9 to 12

235/236 (Convention Center)

Saturday, 9:30-10:30

Key word(s): handheld_technologies, dynamic_geometry

610

The Mathematics of Angry Birds

John J. Diehl

Grade Band Audience: 9 to 12

R09 (Convention Center)

Saturday, 9:30-10:30

Key word(s): App_Angry_Birds, video_captures

620

Transforming Students into Motivated, Successful Learners Using Choice and Technology

Melissa G. Jackson, JoAnn Berkley and Darlyne de Haan

Grade Band Audience: 6 to 8

221/222 (Convention Center)

Saturday, 9:45-11:00

Key word(s): Technology, TI_technology, Math_in_movies_videos, iPads, SMART_boards, Google_earth, Voki_avatars

624

To Students, They're Calculators. To Teachers, They're Teaching and Learning Tools

Delbra S. Robinson

Grade Band Audience: 6 to 8, 9 to 12

244 (Convention Center)

Saturday, 9:45-11:00

Key word(s): TI-Nspire_CX_handhelds

625

Exploring Rates of Change from Algebra to Calculus

Vicki M. Carter

Grade Band Audience: 9 to 12

203/204/205 (Convention Center)

Saturday, 9:45-11:00

Key word(s): Technology

638

Two Birds, One Stone: Transformations, Functions, and the Common Core

Scott Steketee and Daniel Scher

Grade Band Audience: 6 to 8, 9 to 12

225/226/227 (Convention Center)

Saturday, 11:00-12:00

Key word(s): Sketchpad

649

Jazzing Up Algebra through Modeling: Supporting Student Understanding and Success

Judith Olson, Fay Zenigami and Linda Venenciano

Grade Band Audience: 6 to 8, 9 to 12

210 (Convention Center)

Saturday, 11:30-12:00

Key word(s): Technology

651

Bringing the (Signal and the) Noise!

Brandon D. Price

Grade Band Audience: 9 to 12

228/229 (Convention Center)

Saturday, 11:30-12:00

Key word(s): Signal_and_the_Noise

653 - Closing Session

When Punchlines Include Slopes and Y-Intercepts

Bill Amend

Grade Band Audience: *General Interest/All Audiences*

Great Hall B/C (Convention Center)

Saturday, 12:30-1:30

Key word(s): Fox_trot, cartoonist