



# 2019 STEMposium Schedule



**Twin Lakes elementary - September 28<sup>th</sup> 8:00-12:00**

HILLSBOROUGH COUNCIL OF  
TEACHERS OF MATHEMATICS

**7:15 - 8:00:** Sign up for presentations opens. First come, first served (maximum 20 participants per room)

## **8:00 - 8:50 Keynote: Tying Math to Science - Problem Solving is inherent in this work!**

Zachary Champagne has been involved in mathematics education for nearly twenty years. Mr. Champagne believes that each and every student has important mathematical ideas and works to share his passion and love for mathematics with teachers around the country. He is the Past-President of the Florida Council of Teachers for Mathematics and has served on numerous committees for NCTM, including the editorial panel for Teaching Children Mathematics. Mr. Champagne is an author of enVision Mathematics ©2020.

## **Sessions by Time Slot**

Note on Session Descriptions: Capital letters in STEM indicate major emphasis. Example sTeM = emphasis on Technology and Mathematics

### **9:00 - 10:50am\***

#### **9:00-10:50: Math Teacher Toolbox – A Powerhouse of Resources**

Trisha McCarter: Curriculum Associates

#### **steM K-5**

Math teachers- let's dive into the Ready Teacher Toolbox and unpack all the amazing resources within. If you need help pinpointing materials for standards-based instruction, finding quality lessons for planning differentiated instruction, or if you are looking for materials to assist with independent practice or center rotations... look no more! We will review all materials and the structure of our rich & rigorous MAFS lessons. Please bring a charged laptop. This training is designed to assist teachers (new and returning users of Teacher Toolbox) who have access to the Ready Teacher Toolbox- Achievement Schools and selected schools that decided to purchase the resource. \*\*\*Anyone who attends this session will be granted temporary ACCESS to the Teacher Toolbox. (\*2 hour session)

## **9:00 - 9:50am**

### **9:00-9:50: Engaging 3-3 Scholars in their i-Ready Data via interactive notebooks & data chats**

Nicole Ketchem: Curriculum Associates

#### **steM 3-5**

Notebooks, like you've never seen before! Come explore how powerful these interactive Notebooks for i-Ready can be. Impact student learning gains with accountable talk, student led conferencing, organization for later-in-life-skills, setting goals, total engagement, clear goal setting, time saver tips for teachers, identifying skills needed for differentiating instruction... the list is endless!

### **9:00-9:50: Engaging K-2 Scholars in their i-Ready data and discovering the WHY of i-Ready lessons**

Jenna Ifasi: Curriculum Associates

#### **steM K-2**

Join us for a dive deep into planning for your upcoming Data Chats around i-Ready Data with our youngest scholars. Jump into already made resources specifically for primary classrooms. By the time we wrap up, you will be fully versed in communicating and setting clear goals with K-2 students. We will also unpack an i-Ready lesson, to discover the sophisticated technology and position these lessons strategically to have maximum impact on student learning gains.

### **9:00-9:50: 3-Act Math Tasks: Authentic Engagement with Mathematical Ideas**

Zak Champagne: FCR-STEM & Pearson

#### **steM K-5**

3-ACT Math Tasks are built upon this foundational idea: Students are more engaged in mathematics when they are authentically invested in the task. As will be detailed in this presentation, this investment is far beyond that which students generally experience with a traditional "real-world" task.

### **9:00-9:50: Science with Maker Spaces**

Tina Cook: Burney Elementary

#### **Stem K-5**

Where is the Science in Maker Spaces? The how, and why of Maker Spaces and information to make them more purposeful to incorporate STEM activities.

## **9:00 - 9:50am**

### **9:00-9:50: Small Group Math using Choice Boards**

Teresa Werner & Michele Hoover: Forest Hills Elementary

#### **steM 3-5**

Having trouble implementing small group guided math lessons? Learn how to incorporate Choice Boards into math block to maximize time and quality of small group guided math instruction. Give your students control over their learning with Choice Boards to free you to focus on small group instruction.

### **9:00-9:50: Primary Crack the Code**

Shanann Young: Elem. Math & Shelby Hough: Kingswood elem.

#### **SteM K-2**

This challenge will model a custom STEM based puzzle challenge making use of the Breakout EDU lock and case set. Participants will solve Math and Science based puzzles/problems/tasks to gain clues to unlock the case(s) in a given time limit. Students will be pushed to work as a team and use their STEM knowledge to solve the puzzles!

### **9:00-9:50: Intermediate Crack the Code**

Peggy Berridge: Town & Country/Woodbridge

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### **9:00-9:50: Understanding Place Value**

Laurie Weiser & Brooke Cassano: Booker T Washington

#### **steM 3-5**

Build It and They Will Understand! Do students struggle with understanding place value and how place values are related to each other? In this presentation, we will use base ten blocks to build a place value chart to promote discussion and understanding of place value and how place values are related to each other. Can you build to 1 million???? Yes, you can!!!!

### **9:00-9:50: Moon Phase SNEF Game**

Theresa (Terrie) Graves: Ippolito Elementary

#### **Stem 3-5**

Moon Phase SNEF Game - we play this game all year round!

## 9:00 - 9:50am

### **9:00-9:50: Math Trails**

Shanna Uhe & Darrell Frost: Elementary Math

#### **steM K-5**

Get moving and get outside to explore math in the real world!

### **9:00-9:50: Programming with Sphero**

Michael Cullen & Amanda Crane: Forest Hills/ Just

#### **sTeM 3-5**

Sphero, Sphero, Sphero, can't you see....sometimes your blocks just hypnotize me. Increase student engagement by learning how to implement Sphero robots in your classroom through design challenges, coding, and more.

### **9:00-9:50: Coding with Botley & Coding Mouse**

Brianna Arnold & Robin Swenson: Cannella Elementary

#### **sTem K-5**

Learn how to integrate Botley and Jack the Mouse into a variety of different subjects. We will provide specific small group student-lead activities that you can take back to your school.

### **9:00-9:50: Guided Math**

Kim Mallard, James Upton, Rachel Buchanan, and Ashley Cochol: Oak Park Elementary

#### **sTeM K-5**

Tackling Barriers through Guided M.A.T.H.!

Do your students lack prerequisite skills? Do you feel like there is no time to differentiate and teach grade level content? Are your students struggling with basic fact fluency? This training covers how to use Guided MATH Rotations to eliminate common barriers to math instruction.

## **10:00 - 10:50am**

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### **10:00-10:50: NEW Digital Math Learning Games**

Nicole Ketchem: Curriculum Associates

#### **steM K-5**

Newly launched Digital Math Learning Games are here! Come explore with us and find out how these amazing tools will impact students this school year. Built with growth mindset at the forefront, kids will love selecting difficulty levels and varying tasks, all while “playing” these fun interactive, self-paced games. Are parents asking you for additional resources, where their students can build fluency and conceptual understanding? Are you looking for more opportunities for your students to master specific skills and standards? Do your kids love math and freedom of choice in their math practice? Look no more- this great resource is [HERE](#) and hiding in your students’ i-Ready account.

### **10:00-10:50: Learn to Play Tivitz**

Willie Cummings: Summerfield Crossings

#### **steM 2-5**

Participants will learn how to play the board and online game of Tivitz. Tivitz is a fun, engaging math and strategy games that stimulate interest in STEM (Science, Technology, Engineering and Math). For children grades K-9, TiViTz combines board game strategy with math concepts covered in school. Play against the computer or compete online against friends around the world!

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### **10:00-10:50: Envision Math Resources**

Alyssa Foss: Elementary Math

#### **steM K-5**

Are you feeling overwhelmed with all the new resources in enVision Math? Do you want to make the most of the online components but don't know where to start? Could you use some ideas for implementation? Then this is the session for you! Come explore online tools to enhance your math instruction and leave with ideas for your classroom.

### **10:00-10:50: Rekenreks**

Rebecca Carlton: Schmidt Elementary

#### **steM K-2**

This presentation will familiarize participants with the Rekenrek as a tool for building number sense with numbers within 100. Participants will experience a variety of interactive activities spanning grades K-2 that are designed to be done whole-class using a single demonstration-sized Rekenrek.

### **10:00-10:50: Number Routines**

Jack Fahle & Joe Ratasky: Elementary Math

#### **steM K-5**

Number Sense Routines: Help students build their number sense, mental math strategies, estimation and reasonableness, and fluency through the Which is Greater? and Number Lines Routines

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Nebi Salim Bakare: Sheehy Elementary

#### **sTem 3-5**

Escape Room Challenge: Use STEM-related skills and the 4 Cs (creativity, collaboration, communication, and critical thinking) to solve a series of puzzles and "escape" within a set time limit.

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### **10:00-10:50: Engaging Students with SeeSaw**

Nicole Golden: Cleveland Elementary

#### **sTem K-5**

Work Smarter not Harder! This is a 45 minute interactive training of Seesaw. Seesaw is a platform for student engagement, that inspires students to do their best with creative tools, as they express themselves & reflect on their learning. This digital portfolio allows students to be proud to show others their learning & it saves teachers time!

## **10:00 - 10:50am**

### **10:00-10:50: Innovate Tampa Bay™ Invent Tampa Bay™**

Tracy Zuluaga: Innovation World™

#### **StEM K-5**

Inspiring creativity, innovation, entrepreneurship and leadership success. Invention Education fosters the use of STEAM skills. Project based learning takes the students on a 6-10 week journey through the steps of the Invention Process – Brainstorm, Research, Ideate, Build, Test, Pitch and Present; culminating in the creation of an original project ready to showcase at Invent Tampa Bay™ in January at the Glazer Children's Museum, with opportunities to advance to the State and Nationals competitions. (students can participate in both the STEM Fair and Invent Tampa Bay™ if they choose to without conflict

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