

# 2021 HASTI-ICTM Virtual Conference Program\*

\*Does not include any last-minute changes.

## Saturday – February 6, 2021

9:00 am: Plenary Session:

Speakers: Elizabeth Allen (NSTA) and Trena Wilkerson (NCTM)

10:15 am:

Presentation Title	Presentation Description	Type	Grade Level
Using Wakelet to Curate, Collaborate, and Consolidate Teaching Science Remotely.	Wakelet is a free platform that allows you to capture, organize and share multimedia resources and invite others to contribute to your collections. This session will provide a hands-on walk through of Wakelet and its integration into teaching science.	Science	General
Navigating the Flint Water Crisis: The Use of Informal STEM Education	With this session we will focus on the ways the Flint Residents utilized informal science use of during the water crisis back in 2014. We aim to address the way science is understood and applied to daily life of African American people.	STEM	High School
Implementing STEM Inquiry Activities in the Virtual Classroom	Methodology and examples of virtual STEM inquiry activities will be discussed. Participants will gain ready-made STEM inquiry based virtual lessons for implementation or modification. Give your students voice and choice in what and how they learn, even virtually!	STEM	Middle
Resources for hands-on labs in a hands-off world	At miniPCR bio, we make hands-on science accessible. This year that means doing things a little differently. From kits that can be sent home, to webinars and digital resources, we'll share approaches that can help you keep biology engaging.	Science	High School

Changing the Narrative of the Teaching Profession Through Data	This session prepares STEM teacher educators to debunk myths about the teaching profession using data. We share data on why teaching is the best profession. Leave equipped to change the narrative about the teaching profession with usable resources.	STEM	College
Empowering Young Children to Think and Communicate about Mathematics	In the early grades (K-2), children learn the foundational mathematics upon which teachers in later grades can build. This session will examine activities, questioning strategies, and classroom environments that empower our youngest learners to think and communicate effectively about mathematics.	Math	Elementary
Games and Activities for Numerical Fluency	A fast-paced, highly-motivating workshop designed to help middle school teachers engage all students in the classroom experience. Games and activities help develop fluency and strategic thinking.	Math	Middle
Algebra Tile: Using Area Model for Multiplying and Factoring (HS focus)	Participants will be actively engaged in using algebra tiles and an area model to multiply polynomials, then for factoring and completing the square. The tiles support the transition from a concrete (manipulative) to visual (paper) leading to an abstract model and understanding of mathematics.	Math	High School
11:15 am			
<b>Presentation Title</b>	<b>Presentation Description</b>	<b>Type</b>	<b>Grade Level</b>
Encouraging Girls in Science Classes and Science Careers - What Works?	Historically, females have been underrepresented in STEM careers. This presentation will feature techniques (based on educational research and 42 years of teaching experience) that have proven successful in encouraging young women to thrive in science classes and pursue STEM careers.	STEM	High School

Middle School Math and Science Classes: Becoming Partners in Learning	Sometimes science teachers are asked to help with math instruction by bringing more math to science class in an effort to boost math test scores. Instead, make it a two-way collaboration that benefits both math and science learning!	STEM	Middle
Online Teaching Strategies Using Moodle - Rose-Hulman PRISM	PRISM teachers will give short sessions on some of their most effective online teaching strategies including mastery learning activities, online games, and teaching without a textbook.	STEM	Elementary
State of Our World: Data-Rich Lessons on Earth and Human Activities	Sharpen students' critical thinking and analytical skills with activities that take the pulse of the planet on climate change, biodiversity, human population and resource use. Engage in interdisciplinary simulations, games and more for science, math, STEM and social studies.	STEM	Middle
Using Video Analysis to Investigate the Conservation of Mechanical Energy: Four Cases	The presenter will demonstrate how LoggerPro's video analysis feature can be used to investigate mechanical energy conservation in a bouncing ball, a pendulum, a mass on a spring, and a heavy ball rolling down an incline.	STEM	High School
Narrowing the Equity Gap through Parent Education	We need caregivers as partners if we are to close the equity gap in mathematics education. In this session, participants will explore how to create and provide resources for caregivers to partner in their students' mathematics education.	Math	Elementary
Argument-Driven Inquiry Online: Rigorous & Equitable Instruction for Grades 6-12 Distance Learning & Hybrid Classrooms	Three-Dimensional science instruction using Argument-Driven Inquiry, an 8-stage instructional approach for rigorous and equitable labs that can be integrated into any STEM curriculum Grades 3-12. Engaging, collaborative learning at a distance is possible with ADI Online (powered by Eduflow). Our print resources are now available in an online, student-facing platform called ADI Online (powered by Eduflow).	STEM	Middle School High School

Learning to Formulate Problems and Conjectures with GeoGebra	I will illustrate how we can use a problem-posing framework to formulate interesting geometric problems appropriate at the HS level. We will use GeoGebra to gain insights to formulate and test the conjectures about the solutions to the formulated problems.	Math	High School
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12:00 – 12:45 pm: Networking, lunch and visit exhibitors

12:45 pm:

Presentation Title	Presentation Description	Type	Grade Level
Enhancing Inquiry through the 5E Instructional Model	In this session participants will be introduced to the 5E model through a states of matter lesson that can be adapted to the intermediate, middle and high school levels.	STEM	General
Teacher Action Research: Strategies to Improve Student Participation in a Virtual ICP Class	How can we engage students online? During this session, we will discuss a teacher's action research on student engagement during the covid-19 pandemic, brainstorm with one another, and come up with a list of best practices for engaging students online.	STEM	High School
The State of STEM in Indiana	Attend this session to learn about K-12 STEM Education initiatives in the State of Indiana, resources, professional development opportunities, and have your questions answered.	STEM	General
BioBits and P51 Glow Labs: Making molecular biology visible through fluorescence	Using simple tools your students can directly visualize enzyme activity, and experiment with DNA structure using inquiry-based approaches. And with BioBits' cutting-edge cell-free technology, your students can experiment directly with transcription and translation, making RNA and proteins that glow!	Science	High School
How To Read Research Web Launch!	Join us for the launch of the "How to Read Research" website. Navigate the site with guidance, offer suggestions for improvement, use in your classroom the next day, and make contributions to continue its growth. For teachers; by teachers.	Science	College

Participatory Action Research: Undergraduate Researchers Engaging Secondary Students in Social Justice Mathematics	Session participants will complete a social justice mathematics task. We will then facilitate a discussion of participants' experiences, and share our own reflections from a participatory action research study focused on engaging secondary students in social justice mathematics lessons.	Math	Middle
Retain the gains! Long-Term Retention with Get More Math	Let's consider what we hope to carry with us when we arrive back at 'normalcy:' steady, reliable long-term gains. How can we make sure instruction amounts to more than just 'activities,' helping students achieve both initial mastery and long-term gains?	Math	General
1:45 – 2:15 pm <b>Presentation Title</b>	Presentation Description	Type	Grade Level
Empowering Student Explorers through Geo-Inquiry	Learn how National Geographic's Geo-Inquiry process can further your students' understanding of the world and empower them to generate solutions that make a difference. Join a movement of educators empowering students to become explorers!	STEM	General
Evolution in Action: Graphing & Statistics	Using free resources from HHMI BioInteractive, participants will analyze an authentic data set of measurements taken from two populations of Galápagos finches. The activities support concepts covered in the free HHMI BioInteractive short film The Beak of the Finch.	STEM	High School
Science & Math at the Zoo	Learn how to connect your students to how science and math are used at the Zoo. Hear about the science that takes place and see examples of how math is used in a variety of ways at the Zoo.	STEM	General

Making Students as Smart as their Phones & Fixing Their Common Bugs	Six research-based ideas how students learn science and mathematics – while fixing our students’ most common mathematics and science misunderstandings – with the three concepts supporting students’ persistence in studying STEM, offered with a dash of humor, all in one run-on sentence.	STEM	College
Fossils in the Field, a Paleontology Presentation from The Children's Museum of Indianapolis	Explore how paleontologists create a field jacket to protect fossils so they can transported safely for study, and see how you can model that activity in your own classroom. After the activity, stick around to ask our team your questions regarding STEM programs and paleontological work at The Children’s Museum of Indianapolis.	STEM	Elementary
Creating Authentic Learning in the Middle School Math Classroom	This workshop will look at ways to create Standards Based Lessons and create Authentic Learning experiences	Math	Middle
The Power of Vulnerability in the Classroom	Vulnerability is not a weakness, it’s our most accurate measure of courage. In this session, we will explore ways to create a space in our schools and classrooms where teachers and students can walk in, take off their layers of armor, be their true authentic selves, stay curious and take risks.	Math	General
Practical Strategies (Equity + Access) = Endless Possibilities for All	Take away a curated list of practical strategies to increase access to high quality mathematics instruction infused with equity and social justice for all students. Gain tools for teacher self-reflection and bias analysis, which is central to this process.	Math	General

## SUNDAY – February 7, 2021

1:00 pm – Plenary Session: Crystal Hill Morton

2:15 pm:

Presentation Title	Presentation Description	Discipline	Grade Level
"Friends Without Pens": Using Peer Support to Build Scientific Argumentation Skills.	The "Friends Without Pens" scientific argumentation skill building strategy will be explored in a hands-on, teacher-to-teacher training session connecting to physical and life science concepts.	STEM	High School
Bringing Nature and STEAM to the Classroom	Bring nature to your students. We've developed a set of inquiry-based lessons for grades 3-5. Each grade has a theme (pollinators, rivers and wetlands, birds) and includes hands-on STEAM activities that are tied to nature in Indiana – and Indiana standards.	STEM	Elementary
Science Saves Lives	<p>Hear from an organ transplant recipient and how they were given a second chance of life because of the science of transplantation. Join Donate Life Indiana as they share their FREE interactive curriculum that they can bring to your school in-person, virtually or as a self-guided lesson.</p> <p>Donate Life Indiana also offers a video series with an accompanying activity for elementary teachers when learning about the human body</p>	STEM	General
Using COVID-19 to teach about biology and biotechnology	Gene detection sits at the heart of viral diagnostic tests, including the most commonly used tests for COVID-19. Learn about lab activities and instructional resources you can use to teach biology and biotechnology through the lens of the COVID-19 pandemic.	Science	High School
Ready, Stats, Go!	Statistics is a commonly skipped and misunderstood topic in secondary math classrooms. What resources are available and what technology could you use? This presentation will use readily available downloadable activities that align with the Standards for Mathematical Practice. Computers and apps will be used in this hands-on look at statistics.	Math	Middle

Online Teaching Strategies Using Moodle - Rose-Hulman PRISM	PRISM teachers will give short sessions on some of their most effective online teaching strategies including mastery learning activities, online games, and teaching without a textbook.	STEM	Elementary
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Dismantle Education Inequities	Indiana teachers and students bring diverse backgrounds into the science/STEM classroom. Gone are the days of just presenting information from a textbook that was created by authors whose backgrounds were white and privileged. Today's classrooms demand diversity in pedagogy, assessment, and content. What tools are available to enable educators' ability to dismantle inequities.	Select one	Select one
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3:00 pm – 3:30 pm: Networking and Visiting with Exhibitors

3:30 pm:

Presentation Title	Presentation Description	Discipline	Grade Level
Clinical Field Experiences in the Age of COVID-19	Given the current pandemic, it is difficult for preservice teachers to engage in classroom field work, which is a critical component of teacher preparation programs (AMTE, 2017). In this session, participants will explore several possible alternatives to traditional field experiences.	STEM	College
Planning and Carrying Out Investigations in Elementary with Argument-Driven Inquiry Grades 3-5	Three-Dimensional science instruction using Argument-Driven Inquiry, an 8-stage instructional approach which promotes learning how to read, write, and speak in the context of science.	STEM	Elementary
Where is my Ozobot going? And why?! Using the mini Ozobot Robots to engage students in content through creative lesson design, basic programming, and hands-on engagement.	Ozobots are small robots that blend the physical and digital world. They teach students a little about programming while giving them purpose to learning content and a way to make their own learning individualized and highly engaging. We will demonstrate ways we have incorporated Ozobots into a College and Career Readiness Course, and Earth/Space Science Course, and an Elementary Class lesson, to show a range of uses for the tiny robot in your classroom.	STEM	High School
Educating for Environmental Change	Learn about Educating for Environmental Change, a free Indiana University program that helps teachers teach climate change and participate in exemplar lessons designed to surface student thinking and address common misconceptions pertaining to climate change.	Science	Middle



Bringing "Real" Life and Real Engagement through PBL	How one teacher has engaged students by giving them a chance to make a difference in their world through PBL units.	STEM	Middle
Green CIP Technology with Micro-bubbles curriculum	We will present curriculum developed for high school students to describe new research using micro-bubbles, an environmentally friendly method to clean food processing equipment. The curriculum describes the importance of sanitation and green alternatives.	STEM	High School
Integrating Technology Into a Weather and Climate Unit	International weather journals, ESRI StoryMaps, and NOAA websites are ways I integrate digital media into my lessons. I would like to share my lessons and find out ways you add digital learning into a weather and climate unit.	Science	Middle
Elementary Mathematics Methods Courses: A Conversation on Course Design	This presentation explores the elementary mathematics methods course design process of two mathematics teacher educators and invites participants to share their own strategies and successful components of methods courses, including strategies in the era of hybrid courses.	Math	College

4:30 pm:

Presentation Title	Presentation Description	Discipline	Grade Level
First Year Seminar: Energy for Future Presidents	Required First Year Seminars at the University of Indianapolis include research, reading, discussion, and writing. Using the book Energy for Future Presidents, non-science majors learn about both nonrenewable and renewable energy sources. Presentation will share face-to-face and virtual teaching plans.	STEM	College
10, 20 or 30 minute activities for your classroom - Topics: land, air, water and recycling.	The Indiana Department of Environmental Management has activities ready to go for your classroom. Topics available are land, air, water and recycling. IDEM has a new virtual book called Aluminum - A Recycling Story. Activities for the book will be available during the session too!	STEM	General
Let's Inquiry About Wildlife: Integrating science and literacy using the Conservation Tales books.	Conservation Tales is an Indiana-produced series of books for children that tells authentic stories of wildlife research. Join our development team to the books and the inquiry activities that can help your students do authentic science.	STEM	Elementary

Teaching Calculus using Physics in AP Setting	A simple method for showing AP Physics students the essence of calculus. Since Newton needed to invent (or possibly steal) calculus to do physics, why not have your students learn the fundamentals of calculus using physics?!	STEM	High School
Who Lives in Indiana? - Virtual Animal Observation and Citizen Science Lesson Plan	"Who Lives in Indiana" can be presented virtually or in-person, to help your students identify native wildlife using field camera footage in Muncie, Indiana. Then, students can become virtual citizen scientists by assisting the Chicago Urban Wildlife Watch identify wildlife.	STEM	General
Problem Solving that Promotes Diversity, Equity, and Inclusion	The phrase "solve real world problems" is found sprinkled throughout every grade level within the Indiana mathematics standards. This session examines ways to construct real world problems while also addressing current issues that are important to children, families, and communities.	Math	General
Virtual AHA Moments! - Online Teaching Strategies That Engage Students	Learn effective strategies that can be employed immediately to increase student engagement in your virtual, hybrid or DL classroom, leading to better student learning outcomes. In addition, you will discover how to fool-proof your online classroom to spend more time teaching and less time being tech support.	Science	Middle
Families of Functions and 6 Transformations – Complete Online 7-12 FREE Modular Course with 200+ Videos	How to graph 13 parent functions - with vertical shifts, horizontal shifts, reflections, dilations, combinations of transformations. Modular – only use the videos that students need – pre-algebra through calculus. Complete online course: augment in-class, flipped classroom, independent study, or as review.	Math	Middle

## MONDAY – February 8, 2021

5:00 pm – Plenary Session: Billy Almon

6:00 pm – 6:30 pm – Networking and visiting with Exhibitors

6:30 pm:

Presentation Title	Description	Discipline	Grade Level
STEM for the Real World	How will you prepare students for future STEM careers? In this session, educators will receive access to FREE resources which use real-world simulations to help students explore real-life applications of STEM concepts, while introducing them to new, inspiring careers.	STEM	General
Free SARS-CoV-2 Teaching Resources from HHMI BioInteractive	View three new animations detailing how SARS-CoV-2 infects people, how infections are detected, and how the virus evolves. Explore the updated interactive, Virus Explorer, that includes SARS-CoV-2, and participate in an “Evaluating Science in the News” activity.	STEM	High School
Engagement Strategies from Virtual Math and Science Teachers	Participate in actual strategies that increase engagement for math and science students enrolled in a full time virtual school.	STEM	College
Designing useful, meaningful, and equitable science and mathematics instruction for emerging bilingual learners	Brian and Katrina are the first pre-service teachers from IUPUI’s Early Childhood program to add ENL onto their teaching licenses. Their share-worthy science and mathematics units of instruction demonstrate 3 big ideas in lesson planning for emerging bilingual learners.	STEM	Elementary
Planning and Carrying Out Investigations in Secondary Science with Argument-Driven Inquiry	This workshop features a lab example that promotes three-dimensional science instruction, Argument-Driven Inquiry, which is an 8-stage instructional approach that can be integrated into any curriculum Grades 3-12.	STEM	High School

Mathematicians Look Like Me:  
Humanizing the Story of Who Does  
Mathematics

In this workshop we will examine our own  
preconceptions of who does the work of  
mathematics and discuss easy to  
implement strategies to expand and  
diversify our beliefs about the field of  
mathematics.

Math

Middle

7:30 pm

**Presentation Title**

Soil Health Education Online  
Curriculum

**Description**

Curriculum developed for high school  
students to teach the science of soil  
health is available at  
[www.asec.purdue.edu/SoilHealth/](http://www.asec.purdue.edu/SoilHealth/). This  
session will familiarize teachers with this  
resource and Susanboth major  
categories: Soil Basics and Soil Health.

**Discipline**

STEM

**Grade Level**

High School

Invigorate Your Students with PBL:  
Explore Sample Math and Science  
Units

Wondering what PBL is all about?  
Explore the importance of PBL. See  
principles and practices of PBL come  
alive through seven sample math and  
science PBL units. Leave inspired with  
ideas and resources to implement PBL  
in your own practice.

STEM

General

NASA STEAM: Mars 2021  
Perseverance and Ingenuity-  
Inquiry Design Challenges

NASA's Mars rover Perseverance will  
land on Mars on February 18, 2021.  
Inquiry-based critical thinking challenge  
lessons will include designing and  
building a rover, a parachute to land the  
rover, and a paper Mars Ingenuity  
Helicopter.

STEM

General

Teaching CRISPR-Cas9 in the  
Virtual Setting!

CRISPR-Cas9 genome engineering is  
revolutionizing modern medicine  
technologies. Come and learn how to  
model CRISPR-Cas9 gene editing in a  
virtual setting with your students in  
under 60 minutes. Learn how to  
effectively use this molecular tool as a  
reinforcement for concepts such as  
enzyme structure and function, and the  
central dogma. Attendees will also be  
extended an opportunity to perform a  
hands on wet lab version of the lab at a  
later date. Experience something new  
and bring this cutting edge technology  
into your own classroom!

STEM

College

Exploring Opportunities for Student Success with Purdue University

Come hear about free resources for PK-12 audiences being developed by outstanding research faculty and staff at Purdue University. Purdue is looking to collaborate with educators to better serve local Indiana youth and teachers through these materials, including underrepresented minority students. Resources include on-campus summer programs for students, curriculum, college readiness materials, credits for educators, etc.

STEM

General

Systems of Linear and Trigonometric Equations: Explorations of Forces in Equilibrium

Mathematics and physics educators collaborate to showcase how a fundamental physics principle can bring real-world data collection and analysis to an algebra, trigonometry, or pre-calculus classroom that lead to investigations of systems of linear and trigonometric equations.

STEM

High School

Building on Black girl's brilliance through holistic and transformative learning

During this session, participants will gain insight into Black girls' experiences in mathematics and science classrooms and their implications for educators and administrators. Participants will also explore how holistic and socially transformative learning experiences can serve as a tool to rehumanize Black girl's learning experiences and build on their brilliance.

Mathematics and Science

General

## TUESDAY – February 9, 2021

5:00 pm – Plenary Speaker: Susan Kohler, NASA

6:00 pm – 6:25 pm: Networking and visiting with exhibitors

### 6:30 pm:

Presentation Title	Description	Discipline	Grade Level
Building Community in the Science Classroom: Selecting Multicultural Texts to Promote Student Learning	This presentation will show science teachers how to select texts from common trade books and help students build connections between literacy and STEM. Teachers will walk away with exemplars and strategies for identifying and using texts in their own practice.	STEM	Elementary
Nuclear Energy: Chernobyl and Beyond	Three-week Spring Term courses at UIndy allow for unique learning opportunities. Using the HBO docudrama as inspiration, non-major students read the book <i>Midnight in Chernobyl</i> and learned about how nuclear energy works, the catastrophes, and decisions regarding this energy source.	STEM	High School
Thinking Spatially - Geographic Information Systems (GIS) in a Preservice Teacher Program	The presenters will discuss the use of GIS technology in a science methods course to develop technology skills and will present projects that are feasible in a middle and high school.	STEM	College
3,2,1 Liftoff with NASA STEM Engagement	In this session, you will be provided with an overview of how-to best guide STEM learning using literacy, math, teacher expert tips and strategies. We will explore the engineering design process and NASA's educational resources. The session will end with step by step guidance of the many NASA websites that share wonderful and updated NASA STEM education resources aligned with recent missions and efforts by NASA's scientists and engineers. Take advantage of NASA's free resources and encourage ALL your students to reach for the stars!	STEM	General
Problem Solving in a Mathematically Literate Environment: Going Beyond Surface Level	Problem solving is the focus in many classes; however, instruction must go beyond surface level. In a literate environment, instruction moves beyond strategy selection to ask not only "what strategy did you use" but also "why that strategy," "how did you know that strategy would work," and "what would you have done if that strategy didn't work?"	Math	General
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3 Ways to Effectively Establish a Strong Math Foundation at the Elementary Level for Future Success.	Math is brutally sequential. Gaps exist, especially with COVID, that can hinder a child's future success in Math. What you teach matters, but how you teach it matters more. After 27 years in the classroom, let me share with you effective strategies to fill in the gaps, infuse rigor, and build that strong foundation for your students' future success in Math.	STEM	Elementary
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Multiple Universities, Multiple Degrees, One Content: Secondary Mathematics	Hundreds of secondary mathematics teachers enter the profession in Indiana yearly, but are they all prepared for their career in the same way? Join us to discuss the similarities and differences among pre-service secondary mathematics teacher education programs in Indiana.	Math	College
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**7:30 pm:**

<b>Presentation Title</b>	<b>Description</b>	<b>Discipline</b>	<b>Grade Level</b>
The Fight to Survive: 2021 Conservation Educator Academy at the Indianapolis Zoo	Join staff from the Indianapolis Zoo and Ball State University to learn about the Conservation Educator Academy, a summer professional development program at the Zoo. Learn about topics, activities, dates, cost and the goals of the CEA.	STEM	Elementary
Integrated STEM in the ICP Classroom	This presentation will discuss the integration of STEM subjects within a typical high school ICP classroom. Focus will be on the integration of the engineering design process and technology to existing course curriculum. Participants will be introduced to the resources available at Purdue's hardware store science website, ways of integrating the engineering design process into classroom projects and activities, and technology specific to development of real world science centered investigations. Participants will be provided digital electricity curriculum resources for immediate application to their classrooms.	STEM	High School
Introducing students to coding by creating Stratoscripts for Digitalarium planetariums	For a final project in astronomy, students create programs for presentations for our community! It is an easy review, service learning, and educational project. I will share my curriculum and examples of student work. Programs for inflatable or stationary domes.	STEM	High School

Build Smart Clubhouse	Did you ever build a clubhouse as a kid? In this session, come learn about the Build Smart Clubhouse, a STEM activity that lets students build a scaled clubhouse from scratch. In the process, they will learn the fundamentals of construction and architecture, how to read blueprints and elevations, the use of tools such as spacers and corner squares, and building techniques such as four-square studs, double top plates, and cripple studs.	STEM	Middle
Learning Walks: A Collaborative Way to Enhance Teacher Effectiveness in the Classroom	Learning Walks provide professional development that focus on supporting teacher efficacy, teacher content knowledge, instructional practice, and building relationships. Participants will explore ways in which traditional Learning Walks can be adapted for the virtual learning environment.	STEM	General
Getting Minds Right: The Growth Mindset Classroom- K-12 all subjects	Collaboratively, participants will create a list of attributes for fixed and growth mindsets from various provided resources in order to make connections between mindset and student success in mathematics. Participants will engage in an interactive team challenge to explore mindset in action and walk away with provided and brainstormed strategies for promoting a growth mindset in all students in their math classroom.	Math	General
Developing Better Instruction, Better Instructors, and New Investigators	This session shares how a group of HAMTE educators collaborated to use the Principles to Action Professional Learning Toolkit in their classes, the tools they used to measure development in the future teachers, and the research results that were developed by future mathematics teachers.	Math	College
The Power of Graphing Technology	No matter how long you have been working with the TI-84 family of calculators, do you really know all that they are able to do to help your students understand the math required of them? Learn to use little-known features and pre-loaded apps. Walk away saying, "I didn't know I could do that!"	Math	High School