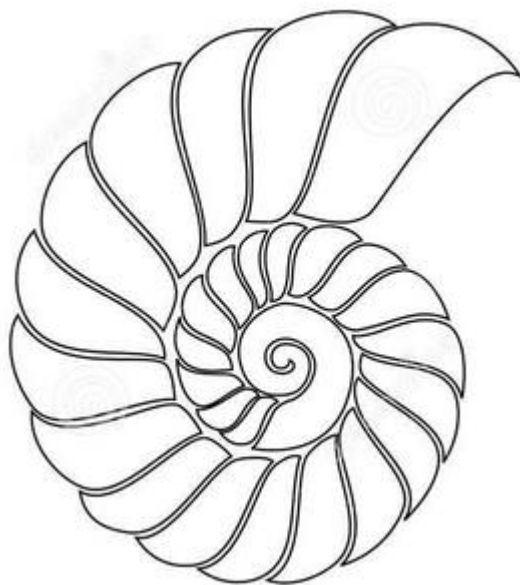


# ME by the SEa 2017

Mathematics Education & Science Education  
in the Texas Coastal Bend



The 13<sup>th</sup> annual regional professional development conference promoting curriculum alignment and access to engaging mathematics & science for all PK-16 students

**Friday, June 16th, 2017**

**Center for Instruction**

6300 Ocean Drive, Corpus Christi, TX 78412



TEXAS A&M UNIVERSITY  
CORPUS CHRISTI

Coastal Council of  
Teachers of Mathematics

	9:00	10:00	11:00	12:00	1:30	2:30	3:30
<b>Rm 122 Science K-5</b>	Ogden & Swartsfager There's Nature in My Nature!	Gill "Grossologist" Workshop	Grand Ocean Literacy		Gill "Grossologist" Workshop	Conkey & Green Full STEAM Ahead: Using art in Science	
<b>Rm 126 Science 3-5</b>	Ainbinder & Anderson Bird Identification for Beginners	Ainbinder & Anderson Field Sketching - Plants to Insects	Cantera Mastering Science Vocabulary w/ Foldables		Pringle & Jones Waste In Our Watershed	Lee- Rhodes Notebook Essentials & More	
<b>Rm 127 Science 6-8</b>	Medina Using Fairy Tales to Teach Graphing Motion		Medina Modeling Animals in Ecosystems		Crysup Scale Model HR Diagram of Stars	Medina Hakuna Matata: Teaching Taxonomy w/ Disney's Animal Kingdom	
<b>Rm 128 Science 6-8</b>	Hopkins & Powell Using Trade Books and Literacy Strategies	Ortiz & Conkey Taking the Class Outdoors: Inspiring Future Bird Biologists	Calhoun & Salazar Implementation of Google into the Classroom		Espinsosa Chemistry Circus	Hopkins & Woodworth Modules to Reflect the Teachings of Mangroves HS	
<b>Rm 138</b>		Lee, Pham, Alvarado, & Muniz STEM Fun w Robots	Rios & Stewart How to Start a Robotics Program (All Ages)	LUNCH Dr. Southard			
<b>Rm 102 Science All levels</b>	S. Coles Coastal Bend Children in Nature 90 Minutes		C. Hopkins Human Impact 90 minutes	Science, A Hands-On Discipline Rm 138	Lee-Rhodes Claims-Evidence-Reasoning: Think Like a Scientist	Kumar BIOMIMETICS – A Novel Discipline	
<b>Rm 106 Math K-5</b>	Skaggs and Mira Hands-on with SumBlox, A New STEM Tool	Garza & Silvas Number Talks: Teaching Number Sense	Brunkenhoefer 1 Fish, 2 Fish, 3 Fish a Limit: Using creative stories Grades 3-5		Schwartz Be Strategic: Number Sense and Computational Fluency Grades 3-5 90 minutes		
<b>Rm 107 Math 6-8</b>	Jackie Ainbinder Going mad over M.A.D. (mean absolute deviation)	Brunkenhoefer My Hands are in the Air	Morrow Drill without the Kill - Deliberate Practice to Lock in What You Teach (K-8)		Boleware Using Manipulatives to Better Understand Fractions	Medrano #Paperslide	
<b>Rm 108</b>	Black & Quinones How to Reach the Most Difficult Students	Medrano Come Learn How to get Money for Your Classroom	Flores Financial Wellness and Retirement 101		Kumar From Standards to Competence	Coles Using Informal Techniques in a Formal Classroom	
<b>Rm 109 Math</b>	Mittag Let's Play 'Price is Right' Games then Connect to HS Math TEKS	Ainbinder & Tijerina Middle School Math Centers	Wilson TI Success on Day One with NSpire		P. Tintera, Chapa & Cabrera Tricks for Trigs	Ditchik, Perez, Garza & Uhling Teacher Happy Hour	
<b>Rm 112 Math All Levels</b>	Tracy Perseverance Culture 90 minutes		Schwartz Let's Talk! Cultivating a Problem-Solving Environment	LUNCH Dr. Jack Southard	Guerra, Ajisafe, Gomez, Pena, Diaz Balanced Math	Ainbinder, Dogbey, Larbie, Viera Teaching Probability and Statistics: Difficulties and Misconceptions	
<b>Computer Lab 2nd Floor</b>	Wilson TI STAAR and TEKS Resources	Guerra, Diaz, Hillery Martinez, & Pardon iTeach with Technology All ages 90 minutes			Wilson TI84 Plus- Overlooked Features 90 minutes		
<b>Center for Sciences Rm 107</b>	Mendoza Manipulative Mania 90 minutes		Foster, Herron, Jasper Where the Math Lives in a Sea of Science Learning 90 minutes		Mittag Two Fun Hands-on Activities Grades 6-8	Snyder and Venecia Lights, Camera, Action!	

CCTM Meeting Door Prizes

# Conference Schedule

Please see the Session Descriptions for more information on presentations.

Time	Event/Location
8:00 – 8:40	Check-in & Breakfast on the second floor of CI
8:40-8:55	Welcome in CI 138
9:00-11:50	Parallel Sessions
12:00-1:30	Lunch speaker: Dr. Jack Southard (in CI 138)
1:30-3:20	Parallel Sessions
3:30-4:00	Business Meeting in 138 (election, door prizes, CEU certificates)

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## Sessions Attended:

9:00 \_\_\_\_\_

10:00 \_\_\_\_\_

11:00 \_\_\_\_\_

**Lunch Speaker: Dr. Jack Southard**

1:30 \_\_\_\_\_

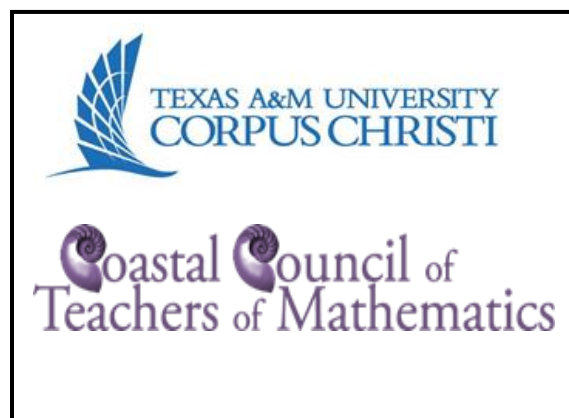
2:30 \_\_\_\_\_

# Vendors & Exhibitors

Don't forget to visit our vendors and non-profit exhibitors. We appreciate their support!



## Organizational Sponsors:



# Lunch

# 12:00-1:30

Box lunches and drinks may be picked up on the 2nd floor of CI near the check-in tables. Please take your lunch to the following presentation in CI 138:

## Science: A Hands-on Discipline

Dr. Jack Southard

Del Mar College

Associate Professor of Chemistry

# Business Meeting 3:30-4:00

Join us in CI 138 for a short business meeting with elections, **door prizes**, and certificates for professional development hours.

- Please fill out the **evaluation sheet** and place it in the box.
- Please help us **recycle** your name badges in the box provided.

**Note:** Professional development (CEU) **certificates** will be available at the end of the meeting.

# Session Descriptions 9:00-9:50

**There's Nature in my Nature!**  
**Getting students scientifically enriched**  
**through a Nature Club at your campus**

Science K-5

CI-122

**Kimberly Ogden**  
**Blyth Swartsfager**

Are you Curious? Are you full of wonder? Are you happiest when you are outside? Would you like to share this with your students? Begin a Nature Club at your campus and you don't even have to be an expert to do it. In Nature Club we come to observe nature and make discoveries. We practice using our senses to make observations, respect plants and animals, and become guardians of the environment.

**Bird Identification for Beginners**

Science 3-5

CI-126

**Janice Ainbinder**  
**Ada Anderson**

Use scientific observation and inference skills to sketch and identify birds. The following activities are intended as basic introduction in bird identification. Attendees will actively participate as 5th grade students.

**Using Fairy Tales to Teach Graphing Motion**

**Science 6-8**

**CI-127 Stephanie Medina**

Graphing motion proves to be a challenge for middle school science students. Students struggle with conceptualizing an object's distance from a reference point as it relates to time. Using metaphors such as "Once upon a time," the castle, the princess, the forest, and "happily ever after," helps students understand the intricacies of graphing motion.

**Using Trade Books and Literacy Strategies**

**Math 6-8**

**CI-128 Cindy Hopkins  
Kelli Powell**

Why do so many students struggle to comprehend science texts? The language of science and the manner it is presented is unique; it communicates large amounts of information in a text structure that is specific to the discipline of science. Often, students find it difficult to read and therefore miss important information. Students need to experience science through a variety of modes, which include text, written response, and discussion in order to construct meaning that will strengthen their science knowledge and literacy skills.

**Hands-on with SumBlox, A New STEM Tool**

**Math K-8**

**CI-106 David Skaggs  
Raquel Vallines Mira**

This presentation focuses on a new approach to teaching elementary mathematics through tangible number blocks. Each number block scales in height to represent its value. This simple system for visual comparisons creates a tangible number line where nearly all elementary math problems can be done through exciting games and challenges.

**Going mad over M.A.D.  
(mean absolute deviation)**

**Math 6-8**

**CI-107 Jackie Ainbinder**

This presentation is for middle school math teachers. The newest TEKS adoption brought in mean absolute deviation to 8th grade mathematics. This TEKS is confusing to students as it is hard to understand the "why" and "what does my answer mean?" since most of the other TEKS in 8th grade are not related to statistics. This presentation gives teachers a fun activity to take back to their classroom to address these common questions.

**How to Reach the Most Difficult Students**

**CI-108 Melissa Black  
Cynthia Quinones**

Are you ensuring that all students in your classes feel loved and safe? This session will explore the 5 love languages by Dr. Gary Chapman that all children and adults speak. Learning how to communicate these languages allow us to reach our students beyond an academic level.

**Let's Play 'Price is Right' then Connect to Math TEKS**

**Math HS CI-109**

**Kathleen Mittag**

Participants for groups of three receive handouts and hamster wheels then play "Showplace Showdown". The hamster wheels are labeled with the same numbers and same order as the "Big Wheel". Goals and objectives of the activity are to have students 1) use problem solving, measurement, and geometry to label the wheel; and 2) Calculate spin experimental probabilities then discuss results.

This session will feature the latest info from Texas Instruments at [www.education.ti.com](http://www.education.ti.com). Learn about 1000+ free TEKS calculator activities and lesson plans; test preparation materials; tutorials; and SAT/ACT/AP resources. Programming, coding, and TI's new STEM Innovator System will also be discussed.

## **Session Descriptions 9 – 10:20**

**Thinking outside the classroom-  
Coastal Bend Children in Nature**

**Science All  
Levels**

**CI-102**

**Sarah Coles**

All of us, whether we are science or math teachers, have lessons that are a challenge to get students engaged with. Sometimes taking students outside can stimulate the learning process and create a lasting impression on the students. Members of the Coastal Bend Children in Nature will share exciting ways to engage your students in the out-of-doors in this interactive session.

**Perseverance Culture**

**All Levels**

**CI-112**

**Dan Tracy**

What is the perfect classroom culture? MIND Research Institute believes the key lies in boosting growth mindset by providing opportunities for students and teachers to productively struggle with challenging math tasks. Learn best practices in leveraging productive struggle and technology as a catalyst for positive change. Experience first hand the power of neuroscience in shifting classroom culture toward perseverance and creative problem solving.

**Manipulatives Mania**

**Math 6-8**

**Center for Sciences-107**

**Steven Mendoza**

Do you \*kind of\* know how to model integers and rational numbers using manipulatives? Struggling students NEED concrete models, so come get some HANDS ON practice modeling mathematical concepts so that you can use them to teach. If you don't already use these non-negotiable teaching tools, stop making excuses and come learn about them!

## **Session Descriptions 10 – 10:50**

**Grossologist Workshop**

**Science 3-5**

**CI-122**

**Puneet Gill**

Have you ever wondered why our bodies make gross sounds and stenches? This workshop educates teachers on the concept of "grossology" as discussed in Sylvia Branzei's book "Hands-on Grossology" (Branzei, 2003). Participants will learn about the concept of being a "Grossologist", how to incorporate STEM tools and how the human body functions. This workshop will show teachers how to incorporate investigations in order to make their students a certified "Grossologist". Participants of this workshop will engage in an investigation with STEM teaching tools in order to explore the effectiveness of the "Belch model" or

observe chemical reactions that result in the development of air in the stomach and map out how air travels through the body and where stenches are located on a diagram of the human body.

**Field Sketching-Plants to Insects**

**Science 3-5**

**CI-126 Janice Ainbinder  
Ada Anderson**

Learn field sketching skills starting with plants (they don't run away) then progress to insects. This is a fun way to learn or improve field sketching skills.

**STEM Fun with Robots**

**Science 6-8**

**CI-138**

**Dr. Lee, T. Pham  
M. Alvarado, Y. Muniz**

Learn how to integrate robotics into your teaching to spark interest in STEM careers. You will assemble components of the mBot robot and learn basic computer programming to run it. Participants will learn about a summer camp program at TAMUCC where campers learn how to program Unmanned Aircraft Systems.

**Taking the Class Outdoors Inspiring Future  
Bird Biologists**

**Science 6-8**

**CI-128 Dr. April Conkey  
Janel Ortiz**

Biologists use tools like scales, rulers, and nets to collect data in their field notebooks about birds they have captured. Artificial birds help simulate "mist-netting," a method used to study wild birds. Learn to identify, record measurements, and practice handling birds in this scientific investigation!

**Number Talks: Teaching Number Sense**

**Math K-5**

**CI-106**

**Vanessa Garza  
Melana Silva**

Help your students to have a better understanding of numbers by using Number Talks to teach number sense. Numbers are necessary to locate, quantify, label and measure. This hands-on approach to learning about numbers will help teachers build a foundation for number fluency and reasonableness.

**My Hands are in the Air**

**Math 3-5**

**CI-107**

**Wimberley Brunkenhoefer**

Use creative songs/chants, movement and visuals to engage the upper elementary student and teach difficult science concepts that often don't stick. Get out of your seat and wave those arms in the air! We really do care!

**Come Learn How to get Money  
For Your Classroom**

**All Levels**

**CI-108**

**Rachel Medrano**

Come learn how to get funding for projects you want to do in your classroom and/or your school. I have secured over \$7,000 worth of items for the 2016-2017 school year including Chromebooks and robotics kits.

**Middle School Math Centers**

**Math 6-8**

**CI-109**

**Jackie Ainbinder  
Patricia Tijerina**

Centers are often used in elementary classrooms, but not in middle school. We will rotate through a set of centers used in middle school math. Participants are asked to bring a laptop.



# Session Descriptions 10:00 – 11:30

**iTeach with Technology**

**All Levels**

**CI-222-Lab**

**J. Guerra, E. Diaz, C. Hillery  
A. Martinez, A Pardon**

As 21st century learners, students spend a significant time with electronics. Teaching with technology allows students to actively participate in questioning, reasoning, and inferring of content. This type of integration with technology allows students the possibility to integrate technology tools (Nearpod, Kahoot/Quizlet, Glogster, Google) in ways that can impact engagement and learning for all students. BYOD (Bring Your Own Device if possible)

## Session Descriptions 10:30 – 11:50

**Let's Talk! Cultivating a Problem-Solving Environment**

**Math All Levels**

**CI-112**

**Melinda Schwartz**

Cultivating and maintaining an environment that honors and promotes student thinking is vital for problem-solving. In this hands-on, minds-on session, participants will work together to explore tasks and norms that promote problem-solving.

**Where the Math Lives in a Sea of Science Learning**

**Math/Science**

**Center for Sciences -107**

**A. Foster,  
B. Jasper, J. Herron**

In this stimulating interactive session, participants become fish with specialized mouth parts and engage in a, "Fishy Feeding Frenzy!" But the fun does not stop there -- We will go DEEP into this sea of science learning and explore the rich opportunities to expertly integrate mathematics with science. Come hungry!

**Human Impact on the Earth's Systems**

**Science  
All Ages**

**CI-102**

**Cindy Hopkins**

Engage in thought-provoking, multi-disciplinary activities to trace human population changes and impacts on the earth and ecosystems over the past two centuries. Discover games, problem-solving challenges and interactive online tools.

# Session Descriptions 11:00-11:50

**Ocean Literacy**

**Science K-5**

**CI-122**

**Holly Grand**

The 1996 National Science Education Standards made almost no reference to ocean or aquatic science. This led to an absence of ocean sciences in schools and a lack of knowledge about the importance of the ocean in our everyday lives. This presentation will discuss what it means to be Ocean Literate and where to find ocean related resources provided by Texas Parks and Wildlife.

**How to Start a Robotics Program****Science 3-5****CI-126 Michelle Cantera**

I will showcase and present foldables that I use in my classroom. This is a great way to review and master grade level academic vocabulary and terms. Discussion of Makerspaces, First TECH challenge, FIRST Robotics Competition, and VEX robotics with a focus on fundraising, build process and engineering design

**Modeling Animals in Ecosystems****Science 6-8****CI-127****Stephanie Medina**

We will discuss the role of models and their limitations in the science classroom. We will also discuss levels of organization as they relate to the layers of a tropical rainforest before building our dioramas. This activity can be adapted for K - 5, aquatic science, biology, or environmental systems lessons.

**Implementation of Google into the Classroom****Math 6-8****CI-128****Rachel Calhoun  
Hillary Salazar**

Showing teachers how to implement google apps into the classroom in district with low socioeconomic students that do not have access to computers or internet at home. Using google classroom to organize and deliver information to the students.

**How to Start a Successful Robotics Program****Science All  
Ages****CI-138****Simon Rios  
Randall Stuart**

Discussion of Makerspaces, First TECH challenge, FIRST Robotics Competition, and VEX robotics with a focus on fundraising, build process and engineering design.

**Math K-8****CI-107****Tony Morrow****Drill without the Kill - Deliberate Practice to Lock in What You Teach**

We'll explore the techniques that get kids to engage in deliberate practice without killing their desire to learn math with First in Math and the Texas Online Math Competition where students of ALL levels compete through effort as they build skills in K-8 content. Free full-year team for attendees.

**Financial Wellness and Retirement 101****CI-108****Robert Flores**

Basic financial planning concepts with an emphasis on explaining the Teacher Retirement System Pension Plan. Learn how to create a blueprint for long-term financial wellness and techniques to evaluate financial decisions.

**Success on Day 1 with the TI-Nspire CX Technology****Math 7-12****CI-109****Robb Wilson**

Whether you are integrating TI-Nspire technology into your classroom for the first time or simply want to polish your skills for back to school, this hands-on session will highlight strategies and basic skills for success on Day One. If you use the TI-Nspire, this session is for you.

# Lunch Session

# 12:15-1:15

**Science: A Hands-on Discipline**

**CI-138 Dr. Jack Southard**

A chef could never master his/her trade by simply reading cookbooks. It is the same with science; if we expect our students to truly learn science it is imperative they have a “hands-on” experience. I intend to provide a number of very safe (and a few “not quite as safe”) chemistry demonstrations that the students can do themselves. I also want to describe the “science” behind the demonstrations.

# Session Descriptions 1:30-2:20

**Grossologist Workshop**

**Science 3-5**

**CI-122**

**Puneet Gill**

Have you ever wondered why our bodies make gross sounds and stench? This workshop educates teachers on the concept of “grossology” as discussed in Sylvia Branzei’s book “Hands-on Grossology” (Branzei, 2003). Participants will learn about the concept of being a “Grossologist”, how to incorporate STEM tools and how the human body functions. This workshop will show teachers how to incorporate investigations in order to make their students a certified “Grossologist”. Participants of this workshop will engage in an investigation with STEM teaching tools in order to explore the effectiveness of the “Belch model” or observe chemical reactions that result in the development of air in the stomach and map out how air travels through the body and where stench is located on a diagram of the human body.

**Where is our Watershed?**

**Science 3-5**

**CI-126**

**N. Pringle & K. Jones**

Help your students connect with the local environment by exploring the importance of watersheds! Marine science education specialist, Nicole Pringle, and classroom teacher, Kimberly Jones, lead this unique opportunity. Guide your students in meeting the state standards in a dynamic and hands-on way!

**Scale Model HR Diagram of Stars**

**Science 6-8**

**CI-127**

**Katie Crysup**

Creating a scale model of the Hertzsprung-Russell Diagram of many of the most commonly known stars including our Sun. Discussion of the limitations of models, size and scale of the solar system. Target audience is 8th grade teachers.

**Chemistry Circus**

**Science 6-8**

**CI-128**

**Tomas Espinosa**

Presenting science in an entertaining manner that would motivate students venture into exciting careers

as scientists.

**Claims-Evidence-Reasoning: Think Like a Scientist**      **Science**      **CI-102**      **Janie Lee-Rhodes**

Use the C-E-R (claims-evidence-reasoning) format to help your students learn how to think like a scientist. Experience how to successfully introduce this process to students and how to adapt your tried-and-true investigations to this format.

**Using Manipulatives to Better Understand Fractions**      **Math 3-5**      **CI-107**      **Jeff Boleware**

Which manipulatives do you use to teach fractions? Fraction Circles, Fraction Towers, Cuisenaire Rods? We'll look at both physical & virtual manipulatives and discuss strategies for using them effectively in the classroom. Attendee's will receive free samples and a 30-day trial license for Brainingcamp Virtual Manipulatives.

**From Standards to Competence**      **All Ages**      **CI-108**      **Anil Kumar**

This presentation responds to the criticism that graduation standards are not translating into competencies for college preparation or the workforce. Our approach employs “scaffolding” to problem solving – different levels of rigor and complexity, multiple solution techniques and problem formulation in different contexts. Several examples will be discussed.

**Tricks for Trigonometry**      **HS Math**      **CI-109**      **P. Tintera  
Chapa, Cabrera**

In this presentation, speakers will show you "How the unit circle was generated for special angles, 30-45-60-90." and will apply 6 trigonometry functions into geometry and show you how formulas could be memorized with a special song.

**Balanced Math**      **Math-All Ages**      **CI-112**      **Ajisafe, Diaz, Gomez  
Guerra, Pena**

Balanced Math is a differentiated instructional program designed to develop high-level thinking, problem-solving and communication skills. Balanced Math was created as a cooperative type of learning and used to improve student knowledge and overall understanding. It is designed with the same “balanced” approach that has been implemented in literacy programs, referred to as Balanced Literacy.

**Two Fun Hands-On Activities**      **Math 6-8**      **Center for Sciences -107**      **Kathleen Mittag**

Participants will do a "Water Dripping" experiment to generate ten ordered pairs to use for modeling. The second activity will use a damp tennis ball and easel grid paper to generate six ordered pairs to use for modeling. The models will be calculated using a calculator.

# Session Descriptions 1:30-2:50

## **Be Strategic: Number Sense and Computational Fluency**

Math 3-5

CI-106

Melinda Schwartz

A strategies-based approach for teaching number and computational fluency makes sense. Strategies provide the reasoning underlying the basic facts. In this hands-on, minds-on workshop, participants will explore the strategies, games, and activities that build number sense and computational fluency.

## **Top 10 Overlooked TI-84 Plus Features**

Math 7-12

CI-Computer Lab

Robb Wilson

This session will provide practical advice on TI-84 Plus functionality. Whether you are a TI-84 Plus veteran, a TI-84 Plus C SE user, or are picking up the TI-84 Plus CE for the first time, there are many valuable, often overlooked features that can enhance instruction and increase student understanding.

# Session Descriptions 2:30-3:20

## **Full STEAM Ahead: Using art to reinforce and assess STEM concepts**

Science K-5

CI-122

April Conkey

Marybeth Green

Art can help foster design and creativity in STEM fields. A 4th-5th grade, place-based art lesson with learning objectives focused on biological trophic levels, painting techniques, and vocabulary use through storytelling will be featured. Participants will brainstorm ideas to apply art to their subject area and grade level.

## **Notebook Essentials & More**

Science 6-8

CI-126

Janie Lee-Rhodes

Learn how to manage interactive notebooks without losing your mind. Increase student ownership and engagement with student-made 3-D graphic organizers. Participants will make lap book with example organizers.

## **Hakuna Matata: No Worries Teaching Taxonomy with Disney's Animal Kingdom**

Science 6-8

CI-127

Stephanie Medina

In this session, participants will research a Disney animal and create an informational book to include common name, scientific name, and Linnaean classification.

## **Modules to Reflect the Teachings of Mangroves and Biogeochemical Process of the Carbon Cycle**

Science 9-12

CI-128

Cindy Hopkins

Rachel Woodworth

PowerPoint presentation over coastal mangroves. During the presentation we will discuss the affects of climate change and how our coastal ecosystem would look without mangroves. Engagement activity is a round or two of Kahoot.

**BIOMIMETICS- A Novel Discipline**                      **Science- All Levels**                      **CI-102**                      **Anil Kumar**

This proposal introduces a new discipline – biomimetics: mimicking nature – that cuts across several disciplines – STEM, business and social sciences. Synthetic skin, imitating a gecko’s foot, bullet train redesigned after the Kingfisher bird and a Mercedes-Benz car shaped after the box fish, are just three examples. It has the highest potential to engage students at all levels.

**#Paperslide**    **Math 6-8**    **CI-107**    **Rachel Medrano**

Come learn about a new way for your students to present information they learned in an interactive way. All it takes is paper, drawing tools, and a recording device (iPad, phone, etc.). This will be a hands-on experience.

**Using Informal Techniques in a Formal Classroom**    **Science All Ages**    **CI-108**    **Sarah Coles**

What makes a field trip different from your classroom? Learn what curricular techniques the Museum of Science and History uses to engage students outside of the classroom and how you can use those same techniques in your classroom to increase student engagement.

**Teacher Happy Hour**    **All Ages**    **CI-109**    **Ditchik, Garza  
Perez, Uhling**

This session is for pre-service teachers primarily. Four veteran teachers will share and answer questions you may have about things that you don’t learn in school. How do you motivate students? How do you motivate yourself? What do you need to know about interacting with parents? How do you build trust and set up a healthy classroom environment? These teachers will answer your questions honestly.

**Teaching Probability and Statistics: Difficulties and Misconceptions**    **Math-All Ages**    **CI-112**    **Ainbinder, Dogbey  
Larbie, Viera**

This session will present an overview of the historical development of Probability and Statistics in school math curriculum, and discuss some major difficulties and misconceptions grade school teachers and students have in Probability and Statistics. It will also discuss some ongoing efforts within the mathematics education community to address some of these difficulties and misconceptions.

**Lights, Camera, Action!**    **Science 6-8**    **Center for Sciences -107**    **Regina Snyder  
Yezenia Venecia**

Fun, engaging middle school science labs targeting 6th--8th grade teks. Lab investigations for body systems, force & motion, and light will be explained. Come and try them!

# Presenters Email Addresses

<b>Last</b>	<b>First</b>	<b>Email address</b>	<b>Session time &amp; Room</b>
Ajisafe	Sara	Sara.ajisafe@ccisd.us	1:30; CI-112
Ainbinder	Janice	jainbinder50@gmail.com	9:00& 10:00; CI-126
Ainbinder	Jackie	jeainbinder@gmail.com	9:00; CI-107 10:00; CI-109 & 2:30; CI-112
Alvarado	Mayra	mayra.alvarado@tamucc.edu	10:00; CI-138
Anderson	Ada	adatanderson@gmail.com	9:00& 10:00; CI-126
Black	Melissa	Melissa.Black@ccisd.us	9:00; CI-108
Boleware	Jeff	jboleware@hand2mind.com	1:30-CI-107
Brunkenhoefer	Wimberley	wbrunkenhoefer@gmail.com	10:00; CI-107 11:00; CI 106
Cabrera	Cameron	cameron1992cabrera@yahoo.com	1:30; CI- 109
Calhoun	Rachel	rachel.calhoun@tisd.org	11:00; CS-128
Chapa	Elliott	echapa4@islander.tamucc.edu	1:30; CI- 109
Coles	Sarah	SarahC@cctexas.com	9:00; CI-102 2:30; CI- 108
Conkey	April	april.conkey@tamuk.edu	10:00; CI-128 2:30; CI-122
Crysup	Katie	katie.crysup@tamucc.edu	1:30; CI 127
Diaz	Elita	Elita.Perez1@ccisd.us	10:00; CI-Computer Lab 1:30-CI-112
Ditchik	Kimberly	KimberliDitchik@aol.com	2:30; CI-109
Dogbey	James	James.dogbey@tamucc.edu	2:30; CI-112
Espinosa	Tomas	tespinosa@islander.tamucc.edu	1:30; CI-128
Flores	Robert	robert.flores@axa-advisors.com	11:00-CI-108
Foster	Andrea	asf004@shsu.edu	10:30; CS 107
Garza	Vanessa	Vanessa.Garza@ccisd.us	10:00; CI-106 2:30; CI-109
Gill	Puneet	puneet.gill@tamiu.edu	10:00 and 1:30; CI-122
Gomez	Jeannette	Jeanette.gomez@ccisd.us	1:30; CI-112
Grand	Holly	holly.grand@tpwd.texas.gov	11:00; CI-122
Green	Marybeth	Mary.green@tamuk.edu	2:30; CI-122
Guerra	Jessica	jessguerra11@ccisd.us	10:00; CI-Computer Lab 1:30; CI-112
Herron	Julie	jkh037@shsu.edu	10:30; CS 107
Hillery	Charlotte	Charlotte.Hillery@ccisd.us	10:00; CI-Computer Lab
Hopkins	Cindy	cynthia.hopkins@ccisd.us	9:00 & 2:30; CI-128 10:30; CI-102
Jasper	Bill	jasper@shsu.edu	10:30; CS 107
Jones	Kimberly	kj8246@yahoo.com	1:30; CI-126

Kumar	A. Anil	aakumar@pvamu.edu	1:30; CI-108 2:30; CI-102
Larbie	Jasmeen	jasmeenlarbie@yahoo.com	2:30; CI-112
Lee	Bruce	bruce.lee@tamucc.edu	10:00; CI-138
Lee-Rhodes	Janie	emjayel@yahoo.com	1:30; CI-102 2:30; CI-126
Martinez	Anna	Anna.Martinez3@ccisd.us	10:00; CI-222-Lab
Medina	Stephanie	Stephanie.medina@tamucc.edu	9:00, 11:00, 2:30; CI-127
Medrano	Rachel	rachelmedrano@gmail.com	10:00; CI-108 2:30; CI-107
Mendoza	Steven	steven.mendoza@esc2.us	9:00, CS-107
Mittag	Kathleen	kcagemittag@yahoo.com	9:00; CI-109 1:30; CS-107
Morrow	Tony	tony@firstinmath.com	11:00; CI-107
Muniz	Yazmin	yazminmuniz@gmail.com	10:00; CI-138
Ogden	Kimberly	ogdenzoo@gmail.com; kimberly.ogden@ccisd.us	9:00, CI-122
Ortiz	Janel	ortizjanel@gmail.com	10:00; 128
Quinones	Cynthia	Cynthia.quinones@ccisd.us	9:00; CI-108
Pardom	Azita	Azita.pardom@ccisd.us	10:00; CI-Computer Lab
Pena	Melinda	Melinda.pena@ccisd.us	1:30; CI-112
Perez	Sylvia	Sylvia.perez@ccisd.us	2:30; CI-109
Powell	Kelli	kellipowell67@gmail.com	9:00; CI-128
Pringle	Nicole	npringle@austin.utexas.edu	1:30; CI-126
Rios	Simon	Simon.rios@ccisd.us	11:00; CI-126
Salazar	Hillary	Hilary.salazar@tisd.org	11:00; CI-128
Schwartz	Melinda	m_schwartz@origomath.com	10:30; CI-112 & 1:30; CI-106
Silva	Melana	MSilva@calallen.org	10:00; CI-106
Skaggs	David	dskaggs@sumblox.com	9:00; CI-106
Snyder	Regina	snyderscience2012@gmail.com	2:30; CS-107
Stuart	Randall	RandallE.stuart@ccisd.us	11:00; CI-126
Swartsfager	Blyth	bswartsfager@flourbluffschoools.net	9:00; CI-122
Tijerina	Patricia	ptijerina@flourbluffschoools.net	10:00; CI-109
Tintera	Ping-Jung	ptintera@tamucc.edu	1:30; CI-109
Tracy	Dan	dtracy@mindresearch.org	9:00; CI-112
Uhling	Suzi	Suzi.Uhling@ccisd.us	2:30; CI-109
Venecia	Yezenia	Yezenia.venecia@ccisd.us	2:30; CS-107
Viera	Justene	jviera1@islander.tamucc.edu	2:30; CI-112
Wilson	Robb	rwilson@ti.com	9:00 & 1:30; CI-222 (lab) 11:00; CI-109
Woodworth	Rachel	rwoodworth@islander.tamucc.edu	2:30; CI-128