## Session-at-a-Glance

### 9:00 am – 10:00 am  
**Session 1**

<table>
<thead>
<tr>
<th>Topic</th>
<th>Presenter(s)</th>
<th>Location</th>
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<tbody>
<tr>
<td>Breaking Stereotypes in STEM</td>
<td>Brandy Jones &amp; LaTonya Martin - Alief ISD</td>
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<tr>
<td>STEMify your Mathematics Classroom with Sphero Robots!</td>
<td>Valerie Blackburn &amp; Lisa Richardson - Blackburn STEM Ed. Consulting</td>
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<td>Brown Bag STEM Challenges</td>
<td>Doris Tomas &amp; Joy Sloan - Oilfield Energy Center</td>
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<td>School Administrators’ Perceptions of STEM Awareness and Resources</td>
<td>Sandy Watson &amp; Thomas Cothern - University of Houston-Clear Lake</td>
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<tr>
<td>Building and Sustaining an After-School STEM Club</td>
<td>Samuel Saenz &amp; Joel Seymour - East Early College High School</td>
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<td>Composite Science Certification of Physics Teachers: Impact on STEM Development</td>
<td>Philomena Agu - University of Houston</td>
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<td>STEM in Space: Experiments in Space &amp; What to Expect</td>
<td>Monica Trevathan &amp; Patricia Mayes - Gateway Research &amp; C&amp;I Services</td>
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### 10:20 am – 11:20 am  
**Session 2**

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<tr>
<td>Lab Tour: UHCL’s Biotechnology Facility</td>
<td>Dr. Larry Rohde – UHCL Chair of the Biological and Environmental Sciences Department</td>
<td>Atrium II Tours Table</td>
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<tr>
<td>STEM on a Budget</td>
<td>Lisa Brady &amp; Morgan Brady - Alvin ISD</td>
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<tr>
<td>Playful Learning: Engaging STEM Strategies for the Early Childhood Learner</td>
<td>Joy Lynn Sloan &amp; Doris Tomas - Oilfield Energy Center</td>
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<td>1217</td>
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Exploring a Successful STEM Elementary School
Carol Waters - University of Houston-Clear Lake

All the Light Stuff
Lisa Felske - Harris County Department of Education

STEMscopes Math! What's New and Exciting in Math!
Lisa Dentler - STEMscopes

Hispanic Graduates Perceptions of Academic and Social Support
Retention Services at a Baccalaureate Nursing Program
Geny Moreno - University of St. Thomas

Develop and Retain High-Performing and Inspiring Role Models
in STEM Education. Eliminate the Havoc and Increase Engagement by
Initiating Proven, Evidence–Based Behavioral Interventions
Andrea Louise Huff - Andrea Huff - Trainer

11:30 am – 12:30 am

Lab Tour: UHCL’s Chemistry Facilities
Dr. Anton Dubrovskiy – UHCL Chair of the Chemistry Department

What? Symmetry in Nature
Marianne Phillips & Julie Vowell - Texas A&M University-San Antonio

The Pod Dolphin Trunk: Free Resource for Teachers
Cindy Wilems & Kristi Fazioli - Galveston Bay Foundation & UHCL EIH

Culturally Relevant Teaching Strategies: Preparing Pre-Service
Teachers to Teach STEM in Middle School & High School
Paige Evans, Leah McAlister-Shields, Uchenna Emenaha, Ha Nguyen,
& Kerry Ademosun - teachHouston

Changing Achievement with STEM Teacher Actions and
STEM Certification
Lisa Dentler - STEMscopes

Using Books like The Martian to Inspire and Engage Your
STEM Classroom
Robert Haddock - Penguin Random House
UTMB TEX2 Externship Experience
Valerie Blackburn, Lisa Richardson, Treveon Murdock, & M. Sognier – UTMB Tex2 Externship

Galveston Bay Report Card Champion Program and Workshop:
Cultivating Conservation Leaders in the Houston-Galveston Area
T’Noya Thompson - Galveston Bay Foundation

1:50 pm – 2:50 pm Session 4

What’s in a Watershed? High School Edition
Cindy Wilems & Megan Imme - Galveston Bay Foundation

Teaming-Up for STEM
Robert Jones & Antonio Corrales – University of Houston–Clear Lake

Exploring the "T" in STEM
Alex Jones - Houston ISD

Career Explorations CAN be Fun!
Valerie Blackburn, Treveon Murdock, Lisa Richardson, & M. Sognier – UTMB & BlackburnSTEM

How Biographies of Senior Scientists Can Be Motivating for Students Considering a STEM Career
Paul Wagner – University of Houston–Clear Lake

Just the Facts…
Patty Low - ExploreLearning

Part 1: Birding Across the Curriculum: Using Ornithology to Engage Students in STEAM
Juli Salzman – Angleton ISD’s STEAM Ambassadors

3:00 pm – 4:00 pm Session 5

Data+Patterns = Art!
Amanda Rinehart, Aly Munger, & Karissa Laffey - Artist Boat
Supporting Positive Relationships Through Family STEM Nights  
Christy Irvin - Channelview ISD

Part 2: Birding Across the Curriculum: Using Ornithology to Engage Students in STEAM  
Juli Salzman – Angleton ISD’s STEAM Ambassadors

Enhancing STEM Curriculum with Virtual Simulations  
Patty Low - ExploreLearning

Recruitment and Developing STEM Faculty of Color  
Janine Hardy - Seton Hall University

What’s the Big Idea? A Glimpse into Current Themes for Elementary Science Educators  
Julie Vowell & Marianne Phillips - Texas Wesleyan University & Texas A&M University-San Antonio

Using Hobbies to Encourage Girls in STEM  
Soma Datta – University of Houston–Clear Lake

Students of Color and STEM Education: Experiences Matter  
Sheryl Jefferson - Prairie View A&M University Undergraduate Medical Academy

STEMify Your Traditional Science Lab  
Faryal Shaukat & Selene Reyes - Pasadena ISD