2020 Program Schedule

8:00 - 8:30  Conference Check-In

8:30 - 8:55  Conference Welcome
  Welcome & Conference Overview
  Dr. Melissa Dagley
  Andy Cummings

9:00 - 10:10  Industry Panel: Overview regarding the importance of STEM and preparation of the future workforce
  9:00  Session Moderator: Carol Ann Dykes Logue
  9:05  Kevin Carpenter
  9:15  Sam Haddad
  9:25  Nathan Arndt
  9:35  Gordon Shupe
  9:45  Moderator to entertain questions from the audience and the panel

10:20 - 11:10  Session One: Concurrent Workshop Sessions
  Location  Track  Key West Ballroom, Student Union Room 218
  SU 220  E, EMH  Help Girls Change the World with STEM
     Carol Unterreiner and Luci Coker
     Teacher and Magnet Facilitator, Milwee Middle School
  SU 221  E, E  Engineer a Bird Feeder: STEM Inquiry and Problem Based Learning
     Mary Lynn Hess
     K-5 STEM Resource Teacher, Goldboro Elementary Magnet School
  SU 223  S, H  ECOPOLY
     Humberto Rodriguez
     Regional Science Academic Coach, Polk County Public Schools
  SU 224  M, E  A STEAM Exploration of Tiny Homes for the Homeless
     Daniel Edelen and Dr. Sarah Bush
     Doctoral Student and Associate Professor of K-12 STEM Education,
     University of Central Florida

11:10 - 12:10  Lunch
  Location  Track  Student Union, John T. Washington Center, and Knights Plaza

12:20 - 1:10  Session Two: Concurrent Workshop Sessions
  Location  Track  Coordinator 6-12 Curriculum, Sumter District Schools
  SU 220  T, E  Kindergarten Unplugged
     Colleen Strickland, Hannah Gomez, and Courtney Moreland
     Teachers, Webster Elementary School
  SU 221  T, EMH  Podcasting: When You Want Them To Talk
     Erin Kiger
     Instructional Coach, Orlando Science Elementary School
  SU 223  S, MH  Custom Jewelry Made by Electroplating Copper onto a Chemically Masked Alloy
     Dr. Matthew Traum
     Chief Executive Officer, Engineer Inc.
  SU 224  E, E  "Building" Up Our Student Artists
     Kathryn Senkarik and Jennifer Jones
     Teacher and STREAM Coordinator, Resurrection Catholic School
  SU 316A  S, EM  Ecological Indicators - Ask the Bugs
     Laura Schendel
     Outdoor Educator, Ecological Classroom Outdoors
  SU 316B  M, MH  Let's Put Math and Science into Motion!
     Beth Smith
     Educational Technology Consultant, Texas Instruments
  SU 316CD  E, EMH  NASA Commercial Crew Program
     Dr. Samuel Garcia
     Education Specialist, NASA Kennedy Space Center

Track Key:  STEM Discipline, Grade Level
  STEM Disciplines:  S = Science  T = Technology  E = Engineering  M = Mathematics
  Grade Level:  E = Elementary (K-5)  M = Middle (6-8)  H = High (9-12)
**1:20-2:10  Session Three: Concurrent Workshop Sessions**

<table>
<thead>
<tr>
<th>Location</th>
<th>Track</th>
<th>Topic</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>SU 220</td>
<td>M, MH</td>
<td>Connecting Proportional Relationships, Rate of Change, Slope, and Volume Using Water Displacement and a Little ELA!</td>
<td>Laura Bamberger, Teacher, Ormond Beach Middle School</td>
</tr>
<tr>
<td>SU 221</td>
<td>T, EMH</td>
<td>Reviewing Standards with Gimkit</td>
<td>Amy Trujillo, Instructional Coach, Orlando Science Schools</td>
</tr>
<tr>
<td>SU 224</td>
<td>E, E</td>
<td>Engineer a Bird Feeder: STEM Inquiry and Problem Based Learning</td>
<td>Mary Lynn Hess, K-5 STEM Resource Teacher, Goldboro Elementary Magnet School</td>
</tr>
<tr>
<td>SU 316A</td>
<td>E, MH</td>
<td>Engineering Design Process with Imagineering and 3D Design</td>
<td>Nicole Spain, Robotics and Science Teacher, Indian Trails Middle School</td>
</tr>
<tr>
<td>SU 316B</td>
<td>E, E</td>
<td>Energy can be Elementary</td>
<td>Rachel Knight, Teacher, Orlando Science Schools</td>
</tr>
<tr>
<td>SU 316CD</td>
<td>T, EMH</td>
<td>Cyber Security – The Dangers Everyone Should Be Aware Of</td>
<td>Keith Coker, President, OrLANtech</td>
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**2:20-3:10  Session Four: Concurrent Workshop Sessions**

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<td>SU 221</td>
<td>E, MH</td>
<td>Enduring Effect of Project Based Learning</td>
<td>Abdul Siddiqui, Lead Systems Engineer - STEM Coordinator, US Army - PEO STRI</td>
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<td>SU 224</td>
<td>S, M</td>
<td>SLAM: Science Leadership and Mentoring</td>
<td>Dr. Anne Bubriski, Danielle Dickey, and Mariah Fermin, Coordinator/Lecturer, Program Manager, and Science Mentoring and Leadership Facilitator, University of Central Florida</td>
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<tr>
<td>SU 316A</td>
<td>M, EM</td>
<td>How To Guide Student Discourse to Inspire a Zeal for STEM Careers</td>
<td>Sarah Porcenaluk and Jared Porcenaluk, Math Coach, Orange County Public Schools</td>
</tr>
<tr>
<td>SU 316B</td>
<td>E, E</td>
<td>The Science of Toys</td>
<td>Lynda Roche and Jennefer Simmons, Teachers, Stenstrom Elementary School</td>
</tr>
<tr>
<td>SU 316CD</td>
<td>T, EMH</td>
<td>Engaging Youth in STEM</td>
<td>Wendy Austin and Joyce Walters, Regional Director, FIRST</td>
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**3:15  Close of Conference**

Evaluation Form and Thank You

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**Track Key: STEM Discipline, Grade Level**

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**Student Union 2nd and 3rd Floor Maps**