Tuesday – March 1st

Pre-Conference Workshops (Consortium Members - By Invitation Only)

I-STEM FocalPoints Workshop
Suzanne Bevans and Matthew Cathell
(9am – 4pm – Baltimore 1)
Participants will get the first glimpse of a new standards-based model for integrating STEM through Integrative-STEM FocalPoints™ and how they can drive school reform. The workshop will focus on validating STEM content across Science, Technology and Engineering, Mathematics, English-Language Arts and Engineering Habits of Mind. Registration $145 each. Open to Consortium Members by Invitation.

Cory Booth
(9am – 4pm – Baltimore 2)

Foundations of Technology (FoT) has undergone a complete makeover. This workshop will introduce participants to the new content as well as the new EbD Platform. This FoT workshop will be hands-on, preparing teachers with the “What do I need to know about Version 4.0” to implement the course. Open only to consortium members.

Computer/SmartDevice required.

Limited to 30 participants

Wednesday and Thursday – March 2nd & 3rd

EbDLab™ Conference SPECIAL

Engineering for All (EfA) Workshops
Attend two SPECIAL workshops that highlight the integration of the Next Generation Science Standards and the Standards for Technological Literacy by Technology and Engineering teachers. The project, funded by NSF has been implemented by teachers nationwide, and now will be available to teachers. Two units were developed and will be presented by the development teams. These workshops are FREE to the 1st 30 registrants!

Wednesday, March 2nd – 1:00 p.m. – 5 p.m.
❖ FOOD: Vertical Farming – Feeding 9 Billion People

Thursday, March 3rd – 1:00 p.m. – 5 p.m.
❖ WATER: The World in Crisis

EbDLabs are designed to provide an overview of the material that would be covered in each of the EbD courses. EbDLabs are 3-4 hours in length, and require registration.
**Wednesday, March 2nd - 1:00- 5:00 pm**

*All EbDLabs Require Conference Registration / Ticket*

<table>
<thead>
<tr>
<th>DAY</th>
<th>EbDLab</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wednesday March 2nd</td>
<td>Invention and Innovation (Middle School-Grade 7)</td>
<td>Baltimore 1</td>
</tr>
<tr>
<td></td>
<td>Exploring Technology (Middle School-Grade 6)</td>
<td>Baltimore 2</td>
</tr>
<tr>
<td></td>
<td>Foundations of Technology –Online (High School)</td>
<td>Baltimore 3</td>
</tr>
<tr>
<td></td>
<td>Technological Design (High School)</td>
<td>Baltimore 4</td>
</tr>
<tr>
<td></td>
<td>Engineering for All – FOOD (Middle School- NGSS-STL)</td>
<td>Baltimore 5</td>
</tr>
</tbody>
</table>

**Invention & Innovation**

Sandy Cavanaugh

**Invention & Innovation** (I&I) is a new version of the 7th Grade Core course. Participants will be introduced to the new content as well as the new EbD Platform. This workshop is an overview with hands-on activities. *Registration Fee: $50*

*Computer/SmartDevice required.*

Limited to 30 participants

**Exploring Technology**

Blaire Booth

**Exploring Technology** (ET) has been updated with new content by popular demand. The workshop will provide participants an overview as well as hands-on activities. *Registration Fee: $50*

*Computer/SmartDevice required.*

Limited to 30 participants

**FoT Student Online Version**

Greg Strimel & Tanner Huffman

The **Foundations of Technology (FoT) Student Online Version** workshop will introduce participants to the content on the online course. This workshop will be hands-on, as well as online. *Registration Fee: $50*

*Computer/SmartDevice required.*

Limited to 30 participants

**Technological Design**

Susan Blubaugh

**Technological Design** is part of the EbD Core High School Program. This session is hands-on and prepares participants with the fundamentals of implementing the course. *Registration Fee: $50*

*Computer/SmartDevice required.*

Limited to 30 participants

**EfA- FOOD**

Cary Sneider, Haner, Korbin Shoemaker, Chris DeHaan, Nick Cimorelli, Matt McGuire

**FOOD: Vertical Farming – Feeding 9 Billion People,** is a new Middle School 6 week unit developed as part of the Engineering for All Project. Using NGSS in the T&E classroom, participants will use Food as a context for learning engineering. *Free to 1st 30 registrants*
Thursday, March 3rd - 1:00- 5:00 pm
All EbDLabs Require Conference Registration / Ticket

<table>
<thead>
<tr>
<th>DAY</th>
<th>EbDLab</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thursday March 3rd</td>
<td>EbD-TEEMS™ - Grades K-6 (Elementary)</td>
<td>Baltimore 1</td>
</tr>
<tr>
<td></td>
<td>Technological Systems (Middle School – Grade 8)</td>
<td>Baltimore 2</td>
</tr>
<tr>
<td></td>
<td>Advanced Design Applications (High School 10-12)</td>
<td>Baltimore 3</td>
</tr>
<tr>
<td></td>
<td>Engineering Design (High School Capstone)</td>
<td>Baltimore 4</td>
</tr>
<tr>
<td></td>
<td>Engineering for All – WATER (Middle School – NGSS-STL)</td>
<td>Baltimore 5</td>
</tr>
</tbody>
</table>

**EbD-TEEMS™ K-6**
Joan Harper & Kirsten Perry

EbD-TEEMS™ has been updated to incorporate the Next Generation Science Standards. This workshop will overview all Building Blocks in Grades K-6 with hands-on activities. 
Registration Fee: $50

Limited to 30 participants

**Technological Systems**
Susan Blubaugh

Technological Systems is the 8th grade course in the EbD Middle School Core sequence. Workshop participants will use hands-on activities to learn about the course content, and implementation strategies. 
Registration Fee: $50
Computer/SmartDevice required.

Limited to 30 participants

**Advanced Design Applications**
Kevin Webster

ADA has new units in SeaPerch and EPICS as well as concepts to articulate to post-secondary Engineering Technology programs. This workshop will highlight those changes. 
Registration Fee: $50
Computer/SmartDevice required.

**Engineering Design**
Cory Booth

Engineering Design, the EbD Capstone course, has been updated with content that articulates with Engineering Technology. This hands-on workshop will cover an overview of the complete course. 
Registration Fee: $50
Computer/SmartDevice required.

Limited to 30 participants

**EfA- WATER**
Sandy Cavanaugh, Blaire Booth, Steve V. Donald, Matt Plummer

WATER: The World in Crisis, is a new Middle School unit developed as part of the Engineering for All project. The unit incorporates NGSS in the T&E classroom by using Water as a context for learning engineering. 
Free with Registration to 1st 30 registrants
STEM CTL Professional Learning Sessions (Open to Everyone)

Wednesday - March 2nd
1:00-5:00

I-STEM FocalPoints™ & Learning byDeSIGN™ - Premier Models for Integrative STEM Strategies

(2pm – 2:50pm – TBD)
Roger Skophammer, STEM CTL

Learn about research-based classroom strategies for implementing Integrative STEM. Through Integrative-STEM FocalPoints™ and 6E Learning byDesign™ see how engineering concepts are delivered in real-world contexts.

Engineering byDesign™ – Cybersecurity

(3pm – 3:50pm – Presidential Ballroom)
Roger Skophammer, STEM CTL

Explore the new unit in cybersecurity for Advanced Technological Applications, Third Edition course. This session presents the highlights of the revised content as well as a sample activity. Laptops required.
STEM CTL Professional Learning Sessions (Open to Everyone)

Thursday - March 3rd
1:00-5:00

Flexibility-Affordability-Accountability: The EbD™ “Nitty Gritty”

Administrative Strand

(1pm – 1:50pm – TBD)

Tanner Huffman

This session provides an overview of the EbD™ Program, EbDLabs™, and how teachers can help students to be successful on the NAEP 2014 Technology and Engineering Literacy Assessment.

EbD™ Consortium State Directors’ Meeting

(1:30pm – 4:50pm – TBD, by invitation only)

Barry Burke, DTE

State Directors from ITEEA-EbD™ Consortium of States meet to discuss and receive updates on current and future initiatives, provide feedback, and make decisions on new products and services. (Prospective Consortium States Welcome)