

**Thursday, March 24, 2011**  
**EbD™ Sessions and EbDLabs™\***  
 \*Registration Required for EbDLabs™

Thursday, March 24	11:00am – 11:50 am	1:00pm – 2:50pm	3:00pm – 3:50pm	4:00pm – 4:50pm
Special Interest/Other	EbD™ Session 1: ITEEA/STEM CTL's EbD™ and STEM			
EbD™ Elementary School Strand		<i>Invention, Innovation, and Inquiry (I<sup>3</sup>) EbDLab™</i>		
EbD™ Middle School Strand		<i>Invention and Innovation EbDLab™</i>		
EbD™ High School Strand		<i>Scientific Visualization I EbDLab™</i>		
		<i>Advanced Technological Applications EbDLab™</i>		

**Thursday, March 24 / 11:00am – 11:50am**

**EbD™ Session 1** ITEEA/STEM CTL's Engineering byDesign™ – What is It? *The Primary Source for STEM*  
**Presenter:** Barry N. Burke, DTE, Director, STEM Center for Teaching & Learning  
**Description:** In four years, the EbD™ Program has model sites nationwide and continues to develop courses that emphasize FAA (Flexibility, Affordability and Accountability). This session provides an overview of the Program, EbDLabs™, and how teachers can help students to be successful on the NAEP 2014 Tech & Engineering Literacy Assessment in their classrooms.

**Thursday, March 24/ 1:00pm – 4:50pm**

**EbDLab™-ES** *Invention, Innovation, and Inquiry (I<sup>3</sup>) EbDLab™*  
**Presenters:** TBD  
**Description:** This Elementary School **EbDLab™** provides training for elementary school teachers and administrators on the *Invention, Innovation and Inquiry (I<sup>3</sup>)* NSF-funded Project. The session is hands-on, minds-on, preparing teachers with the fundamentals necessary to implement the units.

**Thursday, March 24 / 1:00pm – 4:50pm**

**EbDLab™-MS** *Invention and Innovation EbDLab™*  
**Presenters:** TBD  
**Description:** This Middle School **EbDLab™** provides training for middle school teachers and administrators on the *Exploring Technology, Second Edition* Course Guide, for Grade 6. The session is hands-on, minds-on, preparing teachers with the fundamentals necessary to implement the course.

**Thursday, March 24 / 1:00pm – 4:50pm**

**EbDLab™-HS** *Scientific Visualization I EbDLab™*  
**Presenters:** TBD  
**Description:** This High School **EbDLab™** provides training for teachers and administrators on the *Scientific Visualization I* Course Guide. The session is hands-on, minds-on, preparing teachers with the fundamentals necessary to implement the course. Laptops are required.

**Thursday, March 24 / 1:00pm – 4:50pm**

**EbDLab™-HS** *Advanced Technological Applications EbDLab™*  
**Presenters:** TBD  
**Description:** This High School **EbDLab™** provides training for high school teachers and administrators on the *Advanced Technological Applications* Course Guide, for Grades 11–12. The session is hands-on, minds-on, preparing teachers with the fundamentals necessary to implement the course. Laptops are required.



**Friday, March 25, 2011**  
**EbD™ Sessions and EbD™ Labs\***  
 \*Registration Required for EbD™ Labs

Friday, March 25	11:00am – 11:50 am	1:00pm – 4:50pm
Special Interest/Other	EbD™ Session 2: PD and Curriculum Dev. Opportunities with STEM ⊕ CTL	EbD™ Session 3 (1:30 – 4:50) EbD™ Consortium State Directors' Meeting (By Invitation Only)
EbD™ Middle School Strand		<i>Technological Systems EbD™ Lab</i>
EbD™ High School Strand		<i>Technological Design EbDLab™</i>
		<i>Advanced Design Applications EbDLab™</i>

**Friday, March 25 / 11:00am – 11:50am**

**EbD™ Session 2**    **EbD™ Professional Development and Curricular Opportunities for all States**  
**Presenters:**      Shelli Meade; Barry N. Burke, DTE  
**Description:**    EbD™ can help any state define Technology Education and STEM education using standards-based methods. Whether you are in an ITEEA/STEM CTL-EbD™ Consortium State or not, find out about the products and services available to all states for STEM education needs, especially professional development and curricular development.

**Friday, March 25 / 1:30pm – 4:50pm**

**EbD™ Session 3**    **EbD™ Consortium State Directors' Meeting (By Invitation Only)**  
**Presenters:**      Barry N. Burke, DTE; Shelli Meade  
**Description:**    State Directors from ITEEA-EbD™ Consortium 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)

**Friday, March 25/ 1:00pm – 4:50pm**

**EbDLab™-MS**    *Technological Systems EbDLab™*  
**Presenters:**      TBD  
**Description:**    This Middle School **EbDLab™** provides training for middle school teachers and administrators on the *Technological Systems* Course Guide for Grade 8. The session is hands-on, minds-on, preparing teachers with the fundamentals necessary to implement the course.

**Friday, March 25 / 1:00pm – 4:50pm**

**EbD™ Lab-HS**    *Technological Design EbDLab™*  
**Presenter:**      TBD  
**Description:**    This High School **EbDLab™** provides training for high school teachers and administrators on the *Technological Design* Course Guide, for Grades 10-12. The session is hands-on, minds-on, preparing teachers with the fundamentals necessary to implement the course.

**Friday, March 25 / 1:00pm – 4:50pm**

**EbDLab™-HS**    *Advanced Design Applications EbDLab™*  
**Presenter:**      TBD  
**Description:**    This High School **EbDLab™** provides training for high school teachers and administrators on the *Advanced Design Applications™* Course Guide, for Grades 11–12. The session is hands-on, minds-on, preparing teachers with the fundamentals necessary to implement the course. Laptops are required.

**Saturday, March 26, 2011**  
**EbD™ Sessions and EbD™ Labs\***  
 \*Registration Required for EbD™ Labs

Saturday, March 26	9:00am – 9:50am	10:00am – 10:50am	11:00am – 11:50am
Special Interest/Other		EbD™ Session 4: EbD™: A Rallying Focal Point for the Profession	
EbD™ Elementary School Strand	<i>Technology Starters</i>		
EbD™ High School Strand	<i>Engineering Design EbD™ Lab</i>		
EbD™ High School Strand	<i>Technology and Society EbD™ Lab</i>		

**Saturday, March 26 / 10:00am – 10:50am**

**EbD™ Session 4**

**EbD™: A Rallying Focal Point for the Profession**

**Presenter:**

Shelli Meade, Coordinator for EbD™ and Development, STEMϕCTL

**Description:**

EbD™ has become a rallying point for our profession. It is a model that can define who we are and what we do. Find out the secrets to successful marketing and how you can use EbD™ to make the most impact! Let EbD™ help you market your program to the community and encourage them support you and your program.

**Saturday, March 26 / 9:00am – 11:50am**

**EbD™ Lab-MS**

***Technology Starters EbDLab™***

**Presenters:**

TBD

**Description:**

This Elementary School **EbDLab™** provides training for elementary school teachers and administrators on *Technology Starters*. The session is hands-on, minds-on, preparing teachers with the fundamentals necessary to implement the materials.

**Saturday, March 26 / 9:00am – 11:50am**

**EbDLab™-HS**

***Engineering Design EbDLab™***

**Presenter:**

TBD

**Description:**

This High School **EbDLab™** provides training for high school teachers and administrators on the *Engineering Design* Capstone Course Guide, for Grades 11–12. The session is hands-on, minds-on, preparing teachers with the fundamentals necessary to implement the course.

**Saturday, March 26 / 9:00am – 11:50am**

**EbD™ Lab-HS**

***Technology and Society EbDLab™***

**Presenter:**

TBD

**Description:**

This High School **EbDLab™** provides training for high school teachers and administrators on the *Technology and Society* Course Guide, for Grades 10-12. The session is hands-on, minds-on, preparing teachers with the fundamentals necessary to implement the course.



**Engineering byDesign™ (EbD™) Offerings**  
ITEEA 2011 Annual Conference – Minneapolis, Minnesota  
ITEEA STEM Center for Teaching and Learning (STEM CTL)

The STEM CTL is responsible for Curriculum, Instruction (professional learning), assessment, and Research-related projects. The STEM CTL's goal is to provide the profession, with a special focus on the classroom teacher, a standards-based curriculum model called Engineering byDesign™. The STEM CTL is home for the EbD™ Consortium of States, which consists of state leaders who direct the development of products and services and are responsible for implementation in their state. The program below provides participants with practical, compelling sessions that set the pace for the future of the profession.

**WEDNESDAY, March 23, 2011**  
**EbD™ Pre-Conference Strand**

**For Consortium Participants ONLY – By Invitation ONLY SPECIAL REGISTRATION REQUIRED**

**Wednesday, March 23/ 9:00am – 4:30pm**

***Foundations of Technology, Third Edition Workshop for the EbD™ Network***  
**(Consortium Participants by Invitation ONLY)**

**Location:** TBD

**Presenters:** TBD

**Description:** Engineering byDesign™ Network participants from Consortium States are introduced to the concepts and teaching strategies for implementing the *Foundations of Technology, 3rd Edition*, enrollment in *ebDOnline™* and the EbD online Student Assessment & Design Challenge™

**Wednesday, March 23/ 9:00am – 4:30pm**

***Exploring Technology, Third Edition Workshop for the EbD™ Network***  
**(Consortium Participants by Invitation ONLY)**

**Location:** TBD

**Presenters:** TBD

**Description:** Engineering byDesign™ Network participants from Consortium States will be introduced to the concepts and teaching strategies for implementing *Exploring Technology*, enrollment in *ebDOnline™* and the EbD online Student Assessment and Design Challenge™.

**Wednesday, March 23/ 9:00am – 4:30pm**

***Grades 3–5 Workshop for the EbD™ Network***  
**(Consortium Participants by Invitation ONLY)**

**Location:** TBD

**Presenters:** TBD

**Description:** Engineering byDesign™ participants from Consortium States will be introduced to the concepts and teaching strategies for implementing STEM in *Grades 3–5*, enrollment in *ebDOnline™* and the EbD online Student Assessment and Design Challenge™.

**Wednesday, March 23 / 9:00am – 4:30pm**

***Engineering byDesign™ Game, Art & Design Workshop***  
**(Consortium Participants by Invitation ONLY)**

**Location:** TBD

**Presenters:** TBD

**Description:** Future Consortium deliverable course content will be shared with States. Participants will learn the concepts of Game, Art & Design. Laptops required.

**Wednesday, March 23/ 9:00am – 4:30pm**

***Foundations of Technology, Workshop for Minnesota Teachers***  
**(MTEA Participants that have registered ONLY)**

**Location:** TBD

**Presenters:** TBD

**Description:** Special Session for MTEA teachers on the Engineering byDesign™, *Foundations of Technology*. Concepts of the course and lessons will be presented. Participants will engage in the hands-on lessons.