**SCHEDULE:**

8:00–8:45am  
Registration & Continental Breakfast  
—Vendor Expo Area

8:45–9:45am  
**Keynote: Sylvia Martinez**  
President, Generation YES  
—Theater

10:00–10:50am  
Session A Workshops

11:00–11:50am  
Session B Workshops

12:00–1:20pm  
Lunch and Networking  
**Luncheon Keynote: Luis Rodriguez**  
MA DESE Office of Digital Learning  
—Cafeteria & Vendor Expo Area

1:30–2:20pm  
Session C Workshops

2:30–3:00pm  
Vendor Showcase  
—Vendor Expo Area

3:10–4:00pm  
Session D Workshops

4:00–4:30pm  
Raffle (MUST BE PRESENT TO WIN)  
—Vendor Expo Area
Welcome!

The TiE Conference and Expo was started to provide opportunities for conversation, collaboration, and networking around the exciting work educators locally, nationally, and world-wide are doing to create synergy between technology and curriculum.

As educators move forward with initiatives such as implementing the Common Core, teacher evaluation systems, and exploring virtual schools, we are delighted to convene presenters and attendees alike who are engaged in the work of integrating technology with curriculum.

Keynote speaker Sylvia Martinez and lunch keynote speaker Luis Rodriguez are two such inspiring practitioners. As President of Generation YES, Sylvia is a leader in using technology to include young people's voices in the design of their own education. Sylvia's talk on student participation in planning and delivering educational activities highlights the ways the work we're already doing supports the schools of the future. Luis, who sees the role of technology leaders as ever-evolving, will illuminate the impact of new learning environments on students and educators, in his talk on digital learning trends.

We would like to thank our partners at MassCUE for collaborating with us in the planning of this conference and for being statewide leaders in guiding the educational field toward employing technology as an integral part of teaching and learning.

No matter your role in education, we anticipate that at the end of the day today, you will walk away with tools and ideas that you can use with your students tomorrow.

Sincerely,

Joan E. Schuman, Ed.D.

Executive Director
Collaborative for Educational Services (CES)
## Conference Sessions: Workshop Schedule

Workshop descriptions and details begin on Page 7.

<table>
<thead>
<tr>
<th>Room 203</th>
<th>10:00-10:50 am</th>
<th>Session A</th>
<th>Creating “Khan Academy” Style Videos with Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room 205</td>
<td>11:00-11:50 am</td>
<td>Session B</td>
<td>Panel Discussion: The State of Blended Learning</td>
</tr>
<tr>
<td>Room 220</td>
<td>1:30-2:20 pm</td>
<td>Session C</td>
<td>Building a Learning Community with the Learning Platform</td>
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<tr>
<td>Room 205</td>
<td>3:10-4:00 pm</td>
<td>Session D</td>
<td>Developing a Mobile Applications Curriculum</td>
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<tr>
<td>Room 220</td>
<td>11:00-11:50 am</td>
<td>Educator Evaluation Tour Guide</td>
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<td>Room 220</td>
<td>1:30-2:20 pm</td>
<td>Making Interactive Media: SCATCH Mad Libs</td>
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<tr>
<td>Room 220</td>
<td>3:10-4:00 pm</td>
<td>Explain Everything: iPads, Screencasting, and Assessment</td>
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<thead>
<tr>
<th>Room 222</th>
<th>10:00-10:50 am</th>
<th>Flipping, Blending, and Collaborating in the Classroom (Hands-On)</th>
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<tbody>
<tr>
<td>Room 222</td>
<td>11:00-11:50 am</td>
<td>The Massachusetts New Literacies Institute: Are You Future Ready?</td>
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<tr>
<td>Room 222</td>
<td>1:30-2:20 pm</td>
<td>Creating Green Screen Movies Using iMovie</td>
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<td>Room 222</td>
<td>3:10-4:00 pm</td>
<td>Google: Driving Your Workflow</td>
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<th>Room 224</th>
<th>10:00-10:50 am</th>
<th>Edmodo for Online Learning</th>
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<tr>
<td>Room 224</td>
<td>11:00-11:50 am</td>
<td>Animation in the Elementary School Curriculum</td>
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<tr>
<td>Room 224</td>
<td>1:30-2:20 pm</td>
<td>Moving From Power Standards to Measuring Student Proficiency</td>
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<tr>
<td>Room 224</td>
<td>3:10-4:00 pm</td>
<td>The Good and The Bad of Social Media</td>
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<tr>
<th>Room 226</th>
<th>10:00-10:50 am</th>
<th>Blended Learning: Rethinking Teaching and Learning</th>
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<tbody>
<tr>
<td>Room 226</td>
<td>11:00-11:50 am</td>
<td>The Impact of Social Media</td>
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<tr>
<td>Room 226</td>
<td>1:30-2:20 pm</td>
<td>The Missing ‘E’ in STEM</td>
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<tr>
<td>Room 226</td>
<td>3:10-4:00 pm</td>
<td>Mapping Curriculum with an Online Digital Mapping Tool</td>
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<tr>
<th>Room 302</th>
<th>10:00-10:50 am</th>
<th>Learning2Search—Searching2Learn</th>
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<tr>
<td>Room 302</td>
<td>11:00-11:50 am</td>
<td>Supporting Tablets, Laptops, Smartphones and Other Devices on Your Network</td>
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<tr>
<td>Room 302</td>
<td>1:30-2:20 pm</td>
<td>iGet, iLearn, iTeach: iPad</td>
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<th>Teaching Self-Directed Learning Skills to E-Learners</th>
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<tr>
<td>Room 312</td>
<td>11:00-11:50 am</td>
<td>Going Social: From Policy to Pinterest</td>
</tr>
<tr>
<td>Room 312</td>
<td>1:30-2:20 pm</td>
<td>Cyber-Browsing at the Library of Congress</td>
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<tr>
<th>Room 318</th>
<th>10:00-10:50 am</th>
<th>Podcasting in the Middle and High School</th>
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<tr>
<td>Room 318</td>
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<td>Global STEM Teamwork Classroom—Innovative Collaboration and Communication Technology</td>
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<tr>
<td>Room 318</td>
<td>1:30-2:20 pm</td>
<td>STEM in the State(s)</td>
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<tr>
<td>Room 318</td>
<td>3:10-4:00 pm</td>
<td>Girls and Robotics</td>
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<tr>
<th>Room G214</th>
<th>10:00-10:50 am</th>
<th>SlideShark Business Edition</th>
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<tr>
<td>Room G214</td>
<td>11:00-11:50 am</td>
<td>BREAKOUT ROOM</td>
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<td>Room G214</td>
<td>1:30-2:20 pm</td>
<td>BREAKOUT ROOM</td>
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<tr>
<td>Room G214</td>
<td>3:10-4:00 pm</td>
<td>Planning and Monitoring the MA Model System for Educator Evaluation</td>
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</tbody>
</table>
# Create Your Own Schedule

Access conference details and create your own schedule online at: [tie2013.collaborative.org](http://tie2013.collaborative.org)

Or, use the worksheet below to note your choices for easy reference.

<table>
<thead>
<tr>
<th>Session</th>
<th>Time</th>
<th>Choice 1</th>
<th>Room</th>
<th>Choice 2</th>
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<tbody>
<tr>
<td>A</td>
<td>8:45am</td>
<td>MORNING KEYNOTE</td>
<td>Theater</td>
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<td>VENDOR SHOWCASE</td>
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<td>RAFFLE (be present to win)</td>
<td>Expo</td>
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**Notes**
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Keynote Sessions

OPENING KEYNOTE 8:45am | Theater

Sylvia Martinez is the President of Generation YES, a non-profit global organization promoting student-centered learning with technology. Generation YES helps schools through a change process that includes student-centered teaching practices, encouragement of student voice, and technology combined with service learning.

Prior to joining Generation YES, Sylvia oversaw product development, design and programming for consumer software, console games, and educational games at several software publishing companies. She holds a Master’s in Educational Technology from Pepperdine University, and a Bachelor’s Degree in Electrical Engineering from the University of California, Los Angeles.

Martinez will present the 2013 Technology in Education keynote:

*Integrating Technology in Every Subject Area—Implementing Professional Development with Student Support*

She will also be presenting a follow-up breakout session at the conference, entitled “We Need More PD!” and other myths about technology integration.

LUNCHEON KEYNOTE 12:00pm | Cafeteria

Luis Rodriguez is the recently appointed director of the Office of Digital Learning [ODL], for the Commonwealth replacing Connie Louis, the Director of Instruction Technology.

Luis was previously a program manager with ESE on the Education Effectiveness team working on the implementation of the new evaluation framework. Prior to his work at ESE, Luis spent many years working for a global management consulting, technology services and outsourcing company helping communications and high tech clients.

Luis sees our roles as technology leaders continue to evolve as all the learning environment changes with the introduction of new learning tools. Ed Tech is no longer a separate strategic discussion; data and learning tools are becoming essential for personalizing learning and preparing students for the 21st century. He believes in a continual partnership with instruction and assessment teams to develop holistic approaches to implementing learning solutions.

Luis will also participate in a panel discussion revolving around topics concerning Virtual Learning.

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**Workshop Descriptions**

**SESSION A  10:00 to 10:50am**

**Creating “Khan Academy” Style Videos with Students**

Room 203  
Skill Level: Beginner  
Strand: STEM  
URL: bernardston.pioneervalley.k12.ma.us  
Email: leydenm@pioneervalley.k12.ma.us  

In this session, the presenters will model a Grade 3-6 lesson for using the Explain Everything iPad App to create Khan Academy style instructional math videos. In this hands-on workshop, audience members will participate as students. iPads will be provided (25). In addition to viewing student work that’s been completed at the elementary level, the session will also include examples of how students can use Explain Everything to demonstrate their understanding in all content areas.

**Presenters:** Mary Leyden, Lauren Clary and Jennifer Comiskey are from the Pioneer Valley Regional School District; Mary Leyden is the Elementary Curriculum Coordinator.

**“We need more PD!” and Other Myths About Technology Integration**

Room 205  
Skill Level: All  
Strand: Tech to make your work easier  
Email: sylvia@genyes.org  

The days of ‘sit and get’ professional development are over—but what will take its place? Learn new ways to enable classroom-based professional learning.

**Presenter:** Sylvia Martinez is the morning keynote speaker and President of Generation YES in Olympia, WA (See bio on Page 2).

**Get Going on Google Forms**

Room 222  
Skill Level: Intermediate  
Strand: Tech to make your work easier  
URL: www.edline.net/pages/Stafford_High_School/Classes/052  
Email: vaghinit@stafford.k12.ct.us  

In this workshop, educators will see how to put together a Google form for student or professional feedback and data collection. The session will include a brief introduction describing how the presenter uses this technology, a real-time demonstration with live data, and instruction in creating a form (those with devices and Google accounts may be able to follow along and create them along with me). Time permitting, he will answer questions and explain other Google apps available.

**Presenter:** Thomas Vaghini is the Library Media Specialist at Stafford High School in Connecticut.

**Edmodo for Online Learning**

Room 224  
Skill Level: All  
Strand: Tech to make your work easier  
Twitter: @LisaStebbs  
URL: www.southhadleyschools.org/webpages/Imanzi/  
Email: Imanzi@shschools.com  

Edmodo is transforming the way that teachers and students connect, engage and learn both inside and outside the classroom. Participants will be able to join Edmodo and create their own online groups. Learn how to develop an online group that meets their needs in order to have safe online discussion. Features to be covered include assigning work, grading assignments, sharing documents, sharing video, creating badges, creating quizzes, sharing with parents, and joining other education communities.

**Presenter:** Lisa Manzi is an Instructional Technology Teacher at South Hadley Schools.

**Blended Learning: Rethinking Teaching and Learning**

Room 226  
Skill Level: All  
Strand: Tech to make your work easier  
Twitter: @vschoolz  
URL: www.vschoolz.com  
Email: trina.trimm@vschoolz.com  

Blended learning is more than replacing your textbooks with an eReader or digital content. It involves rethinking the entire teaching and learning process, providing high quality training and support and providing scalable resources that are both efficient and effective in meeting the needs of students, teachers and schools. Educators today are struggling to implement Digital Learning Now while feeling the pressure of national standards based movements such as aligning to Common Core State Standards. Harnessing the best tools on the market can make implementation of a blended learning program easier and help educators become more accountable for improving student performance. The presenter will share her experiences as a brick and mortar principal implementing blended learning, as a university virtual high school principal and as co-founder of a national virtual school providing blended learning services to schools in 38 states.

**Presenter:** Trina Trimm is the COO and Founder of VSCHOOLZ, Inc.

**Podcasting in the Middle and High School**

Room 318  
Skill Level: All  
Strand: Tech to make your work easier  
Email: jtcrescitelli@northampton-k12.us  

Participants will learn all the steps necessary to build a real iTunes podcast. Recording software and hardware, web hosting options, and
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**Video-On-Demand**

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**TiE2013 - Integrating Technology in the Classroom**
iTunes integration will all be covered. See how this exciting technology aligns with the new literacy standards in a way that promotes your school’s connection to the community.

**Presenter:** John Crescitelli is Technology Department Chair for Northampton Public Schools.

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**SlideShark Business Edition**

Room G214  
**10:00 to 10:50am (Session A)**

**Skill Level**  
All

**Strand**  
Tech to make your work easier

**URL**  
www.brainshark.com

**Email**  
dquattrochio@brainshark.com

This presentation will discuss SlideShark’s Business Edition and how it can enable K-12, higher education and businesses to leverage PPT on their iPads. We will review the education offerings and explain the advantages of advanced features.

**Presenter:** Donald Quattrochio, Sr. is Director of Business Development at Brainshark, Inc.

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**DOUBLE SESSION A/B 10:00 to 11:50am (10:50 to 11:00am break)**

**Flipping, Blending and Collaborating in the Classroom**

Room 220  
**10:00 to 11:00am (Double Session: A and B)**

**Skill Level**  
Intermediate

**Strand**  
ELA and the Humanities

**Twitter**  
@SouthShoreEric

**URL**  
30hands.com

**Email**  
ebraun@30hands.com

For this session, participants will experience HANDS-ON immersion in a flipped classroom.

Requirements and Outcomes: A thinking cap. Creativity. Reading, writing and critical thinking skills. Problem-solving skills. Desire to work in a team and have fun. Each participant should come away with a basic knowledge of 30hands, an understanding of flipping the classroom, a sense of the thrill and challenges of working on a project team, and a smile.

We will be using a 30hands site for this workshop. If you are planning to attend this session, please register for the site in advance at: http://tie2013.ipresentonline.com.

Even if you don't plan to attend the workshop, feel free to register for the site and get to know 30hands. You will have access to a sample course or two and the associated learning materials.

**Presenter:** Eric Braun is CEO and Cofounder of 30hands Learning.

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**Learning2Search—Searching2Learn**

Room 302  
**10:00 to 11:00am (Double Session: A and B)**

**Skill Level**  
All

**Strand**  
Tech to make your work easier

**Twitter**  
@bethdichter

**EMail**  
bethdichter@gmail.com

Learning to use search engines that move us beyond Google provides students and teachers with the ability to choose search engines based on parameters that may offer learners material that is more accessible to their learning styles. The ability to use search engines that are more visual, or to learn how to use free tools that will read to results that provide access to a wider variety of students. Filter bubbles and tracking will also be discussed.

**Presenters:** Beth Dichter is Tech Integration Specialist for the Springfield Public Schools and Stephanie Grimaldi is Assistant Professor Education for Westfield State University.

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**Teaching Self-Directed Learning Skills to E-Learners**

**Meg Robbins**

**Room 312**  
**10:00 to 11:50am (Double Session: A and B)**

**Skill Level**  
All

**Strand**  
Tech to make your work easier

**URL**  
skdlskills.com; ozmahouseeducationalconsulting.com

**Email**  
megrobb@gmail.com

You can hand a student a laptop but you can't make them learn. The concept of teaching specific skills to students which support their growth as self-directed learners is not confined to the traditional classroom. Actively teaching students spiraled self-directive skills which are real, relevant and make sense to all other areas of their lives can seriously impact their success as e-learners.

This session provides an interactive overview of self-directed learning, an introduction to a more comprehensive coaching course and an opportunity to explore what self-directed learning skills might look like for your e-learners.

**Presenter:** Meg Robbins is Founder and Lead Coach at OzmaHouse Educational Consulting.

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**SESSION B 11:00-11:50am**

**Panel Discussion: The State of Blended Learning**

**Room 203**  
**11:00 to 11:50am (Session B)**

**Skill Level**  
All

**Strand**  
Tech to make your work easier

**Email**  
superintendent@gpsk12.org  
amckenzie@lpvec.org  
LRodriguez@doe.mass.edu  
apagan@collaborative.org

With the rise of online learning methodology and more efficient Learning Management Systems (LMS), elementary and secondary education institutions are starting to implement more productive forms of instruction. During the last few years, research about the use
of online learning in diverse learning environments has highlighted implementation of blended-learning models that help facilitate access to quality instruction, as well as increasing effectiveness of adult supervision at a brick-and-mortar location. This session will introduce the notion of successful models for implementing blended-learning and discuss them from different perspectives.

Panelists: Susan Hollins is Superintendent of Greenfield Public Schools; Anne S. McKenzie is Executive Director of the Lower Pioneer Valley Educational Collaborative; Luis Rodriguez is Director of the Office of Digital Learning at the Massachusetts Department of Elementary and Secondary Education and Antonio Pagán is Chief Technology Officer at Collaborative for Educational Services.

**Educator Evaluation Tour Guide**

Room 205  11:00 to 11:50am (Session B)
Skill Level  All
Strand  Tech to make your work easier
URL  collaborative.org
Email  ddouglas@collaborative.org

These days, every month seems to pile another mandate onto teachers’ already overflowing desks. These initiatives often arrive as separate entities, unconnected to previous requirements. The Tour Guide helps educators see the connections between all of the required programs. Built around the teacher rubric, a component of the Massachusetts System for Educator Evaluation, the Tour Guide helps teachers identify what they are already doing to meet the expectations of the evaluation system and suggests artifacts (evidence) for teachers to submit to document proficiency in every aspect of the rubric.

Presenter: Damon Douglas is Coordinator of Special Projects at the Collaborative for Educational Services.

**The Massachusetts New Literacies Institute: Are You Future Ready?**

Room 222  11:00 to 11:50am (Session B)
Skill Level  Intermediate
Strand  Tech to make your work easier
URL  mnli.org
Email  mnli12@wikispaces.com
Polly Parker
jwalker@lpvec.org  Jim Walker
zsmith@lpvec.org  Zach Smith

Our world is changing faster than ever and students need to be prepared to face the unknown challenges of technological advancement. How do educators make pedagogical shifts while adhering to the basics of our English Language Arts learning standards? The new literacies of Online Content Construction, Online Collaborative Inquiry, and Online Reading Comprehension are the pathways of learning for teachers to make profound changes in the way they approach teaching the MA Curriculum Frameworks. Through
this enhanced curriculum, students gain the knowledge and skills to become future-ready. The MA New Literacies Institute provides teachers with sustained professional development to acquire the tools and skills necessary to excel in an ever-changing educational environment.

**Presenters:** The three presenters from Lower Pioneer Valley Educational Collaborative include Polly Parker, Curriculum and Professional Development; Jim Walker, Online Technology Coordinator; and Zach Smith, Online Learning Coordinator and Data Specialist.

### Animation in the Elementary School Curriculum

- **Room 224** 11:00 to 11:50am (Session B)
- **Skill Level** Beginner
- **Strand** STEM
- **URL** tinyurl.com/mikeapril
- **Email** mapril@hatfieldps.net

Animation is an engaging open-ended tool that can spark students’ interest and creativity. We will examine how our school is using animation to teach 5th grade science and social studies standards, and see 6th grade and 2nd grade animation projects. Finally, we will explore how animation is being used in our After School Enrichment Program. Many of the techniques you will learn can be easily adapted to math and ELA standards and other grade levels. Animation is a powerful way to increase motivation and broaden student understanding. Your only limitation is your imagination.

**Presenters:** Michael April is a Computer/Technology Teacher and John Higuera is a Fifth Grade Teacher. Both presenters teach in the Hatfield Public Schools.

### The Impact of Social Media

- **Room 226** 11:00 to 11:50am (Session B)
- **Skill Level** All
- **Strand** Tech to make your work easier
- **Twitter** @lskantz
- **URL** smith.tec.ma.us
- **Email** skantzl@svahs.net

Using findings from government agencies, advocacy groups and academic studies, this presentation will discuss the impact that technology/social media use is having on users (particularly youth) today, what’s being done, what’s NOT being done, and what users need to be aware of in order to be safe online and present a positive online identity.

**Presenter:** Leslie Skantz-Hodgson is Library/Media Specialist at Smith Vocational and Agricultural High School.

### Global STEM Teamwork Classroom—Innovative Collaboration and Communication Technology

- **Room 318** 11:00 to 11:50am (Session B)
- **Skill Level** All

The Global Technology and Engineering Consortium (GTEC) contributes to 21st century global workforce development through early training of school and college students in working with students in other countries. GTEC initiates authentic international science and engineering projects for teams of students with the goals of simulating international teamwork environments, teaching students global collaboration and international teamwork, and encouraging students’ interest in STEM professions. In this session, lead educators will describe/discuss the concept of GTEC Global STEM Teamwork Classroom. A group of US and International students will present testing results of web-based collaboration tools and discuss these tools’ applicability from their perspectives.

**Presenters:** Larisa Schelkin is Executive Director and Lead Founder of the GTEC; Julia Sigalovsky is a Chemistry Teacher and the Special Engineering Projects Developer/Instructor at Dennis-Yarmouth Regional High School; Leonid Perlov is a Science Teacher with the Highest Professional Teacher Certification at Licej Vtoraya Shkola High School in Moscow, Russia; and Kenneth Jenks is Principal of Dennis Yarmouth Regional High School.

### SESSION C 1:30-2:20pm

#### Building a Learning Community with the Learning Platform

- **Room 203** 1:30 to 2:20pm (Session C)
- **Skill Level** Intermediate
- **Strand** Tech to make your work easier
- **Twitter** @leobrehm
- **URL** www.linkedin.com/pub/leo-brehm/6/560/a50/
- **Email** leob@mac.com

The landscape of the educational field has changed rapidly over the last decade. Changes in the way society delivers and processes information have altered the ways we communicate and interact as people, while technological advancement has shrunk the global village. As these changes and concepts spill into our homes and classrooms it is imperative that we embrace and utilize these changes to better reach learners and provide leadership to help others envision the journey. How do we advance current curriculum and pedagogy to embrace modern learning and communication styles and techniques? The Learning Platform is the blank canvas that will allow us to transform what we do while maintaining the quality and integrity of our profession. Educational history has already shown us the formula and it is up to us to mix it with the new ingredients offered by society’s advancements.

**Presenter:** Leo Brehm is Director of Information Technology for Newton Public Schools and President of MassCUE.
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Making Interactive Media: SCRATCH Mad Libs

Room 205  1:30 to 2:30pm (Session C)
Skill Level  Beginner
Strand  ELA and the Humanities
Twitter  @susawright
Email  wrights@pioneervalley.k12.ma.us

Scratch, a graphical programming language developed at MIT for young people, is easy to begin using by snapping together blocks of code. Interactive Mad Libs created by 6th graders with Scratch, will be presented. The successful Mad Libs storytelling assignment allowed students to practice using parts of speech correctly in an engaging format that also pulled in their knowledge of grammar, punctuation, and Cartesian coordinates. This design-based project also utilized creativity and computational thinking about sequence, events, and variables. As they designed their projects in an incremental/iterative process, students practiced testing and debugging. After viewing student work, participants will learn how to access and begin using Scratch, and learn a kinesthetic teaching strategy for computational concepts.

Presenter: Susan M. Wright is the Technology Specialist at Northfield Elementary School.

Girls Connect

Room 220  1:30 to 2:30pm (Session C)
Skill Level  All
Strand  STEM
URL  www.legoeducation.us
Email  cathy.helgoe@lego.com  Cathy Helgoe
    Sdunton@girlsincholyoke.org  Sarah Dunton
    rfall@cs.umass.edu  Renee Fall
    ksullivan@usfirst.org  Karen Sullivan

This presentation describes a program designed to interest teams of girls in STEM through robotics and teamwork in a one-day session. CAITE, FIRST, Girls Inc. and LEGO Education have collaborated on several one-day sessions inviting teams of girls (4-6 members per team) in grades 3-8 to participate in a robotics experience. Seven teams of girls and an adult coach (parent or teacher) spend a Saturday developing their robots to compete in missions based on a theme e.g., climate change, smart transportation or tools for helping senior citizens. The theme can change but the focus on designing, building and programming robots provides hands-on experience for girls to explore and increase their interest in computer technology, programming, engineering, science, and mathematics and to help them think of themselves as technologically competent and capable.

Presenters: Catherine A. Helgoe, Educational Concept Developer for LEGO Education is joined by Sarah Dunton of Girls Inc., Renee Fall of CAITE, and Karen Sullivan of FIRST.

Creating Green Screen Movies Using iMovie

Room 222  1:30 to 2:30pm (Session C)
Skill Level  Beginner
Strand  STEM
URL  leverettschool.org; leverettschool.edublogs.org
Email  gravina@leverettschool.org

A fun way to create movies with students is using green screens. You can create a fake newsroom, place a student in their habitat shoebox, or produce weather reports. The ideas are endless. Participants will learn how students and teachers can easily create movies to show student learning using a video camera, green screen technology and iMovie. Participants will be able to return to their classrooms ready to create videos using a simple green fabric, a video camera and iMovie. Ideas will be generated for projects related to their classroom curriculum.

Presenter: Karin Gravina is Technology Teacher and Coordinator at Leverett Elementary School.

Moving From Power Standards to Measuring Student Proficiency

Room 224  1:30 to 2:30pm (Session C)
Skill Level  All
Strand  Tech to make your work easier
URL  www.KnowledgeWare21.com
Email  RBlanchette@knowledgeware21.com

This session will demonstrate software guiding teachers to select Power Standards aligned to lessons, rubrics and assessments, and leading to individual student proficiency profiles. The software is designed around a central library that uses a common language of well-articulated learning items, and serves as a tool to guide teachers through the process of choosing priority standards (learning items) essential to a particular course, writing rubrics which define expectations, and designing lessons and assessments aligned to the rubric and learning item. A teacher uses the rubric to determine and store the proficiency level of each student around each priority standard. This information has many uses and alignments in the software, including tracking overlaps across different courses that teach and assess the same priority standard.

Presenter: Robert Blanchette is a Partner and Curriculum Developer for KnowledgeWare21.

The Missing E in STEM

Room 226  1:30 to 2:30pm (Session C)
Skill Level  All
Strand  STEM
Twitter  @johnheffernan
URL  www.kidsengineer.com/
Email  johnheffernan@verizon.net

Why is the E in STEM—Engineering—so often neglected but sorely
Workshop Descriptions, Continued

needed for our future? In this session, we present the rationale for teaching engineering to students of all ages. Why is it important to teach engineering and what does the research say? Why are hands-on design projects so motivating to students and so rich in content? We will present research results, student videos, and work products, and share our experience teaching elementary and middle school engineering for over ten years. Participants will be able to use the ideas and resources presented to quickly and inexpensively begin to teach engineering in their districts.

Presenter: John Heffernan is Technology Coordinator and a teacher at Williamsburg Schools/Hampshire Regional School District.

Supporting Tablets, Laptops, Smartphones and Other Devices on Your Network

Room 302 1:30 to 2:30pm (Session C)
Skill Level All
Strand Tech to make your work easier
URL Aerohive.com
Email skim@aerohive.com

Apple was projected to sell over 250 million iPhones and iPads in 2012. Employee-owned Apple devices, along with Google Android-powered clients and Windows 8 tablets and phone offerings, are making their way to the workplace and the Bring-Your-Own-Device (BYOD) revolution is creating a new set of security and management challenges for IT departments. Learn about best practices for supporting tablet, laptop, smartphone and other devices on your network, which often run different operating systems and rely upon different security protocols. For instance, how can sensitive agency data can be segmented/separated from personal information when using the same hardware platform? How can you integrate a Mobile Device Management (MDM) solution with existing end point/anti-virus security products?

Presenter: Stephen Kim is Senior Sales Engineer at Aerohive Networks.

Going Social: From Policy to Pinterest

Room 312 1:30 to 2:30pm (Session C)
Skill Level Intermediate
Strand Tech to make your work easier
Email engage@collaborative.org

Social Media is a world of constantly shifting sands, a powerful tool if used wisely. Join the CES Social Media Advisory Panel members as we share the process we followed to develop a thoughtful and deliberate policy for social media that focuses on using the tools for communication, education and outreach to our constituents while protecting the privacy and security of our community. We will introduce the process we used to develop a policy and evaluate the best social media tools for our needs. We will look at policy in the context of existing tools like Facebook, YouTube, Twitter and Pinterest, and how to develop an approach that is flexible and adaptable to emerging technologies.
Workshop Descriptions, Continued

**Presenters:** Suzanne Judson-Whitehouse is Assistant Director for Emerging America at the Collaborative for Educational Services; and Emily Spiegelman is Manager of Online Content for the Collaborative for Educational Services.

**STEM in the State(s)**

**Room 318**  
1:30 to 2:30pm (Session C)  
**Skill Level:** All  
**Strand:** STEM  
**URL:** www.stemconnector.org  
**Email:** ikz1@verizon.net

This session will explore the development of a searchable & interactive knowledge exchange / connector to coordinate available STEM resources and make them accessible to all stakeholders. We will also discuss strategies to bring these resources to end-users to support PK-16 teaching & learning to improve the STEM education outcomes listed in the MA STEM plan.

**Presenters:** Dr. Isa Zimmerman of IKZ Advisors and Antonio Pagán, Chief Technology Officer at the Collaborative for Educational Service.

**SESSION D**  
3:10-4:00pm

**Developing a Mobile Applications Curriculum**

**Room 203**  
3:10 to 4:00pm (Session D)  
**Skill Level:** Intermediate  
**Strand:** STEM  
**Twitter:** @danieldowns  
**URL:** www.linkedin.com/in/downsdaniel  
**Email:** danieldownsphotography@gmail.com

This course covers the design of curriculum and implementation of tools for developing mobile applications in the classroom. The course in developing mobile applications using flash utilizes several tools to help students/teachers design, develop and implement their own mobile applications for the Android, iPhone, iPad device markets. Participants will develop an understanding of how to integrate mobile applications or tablet technology within an existing curriculum.

**Presenter:** Daniel Downs, Consultant and Curriculum Developer.

**Explain Everything: iPads, Screencasting, and Assessment**

**Room 205**  
3:10 to 4:00pm (Session D)  
**Skill Level:** All  
**Strand:** Tech to make your work easier  
**Twitter:** @reshanrichards  
**URL:** www.constructivitoolkit.com  
**Email:** reshanrichards@gmail.com

This workshop will focus on three aspects of student interactions with iPads. The central theme for the three aspects is “how can we leverage emerging technologies to better assess what a student truly knows?”

Creating: Exploring approaches that are not about content delivery, but rather about creating representations of understanding.

Curating: It can be difficult to keep track of and organize materials created on the iPad. We will explore organizational tools such as Evernote, Dropbox, and iCloud.

Publishing: How can work created and organized on an iPad be easily shared with an authentic audience (of one or of many)? We will work with the sharing options embedded in and afforded by the tools for creating and curating content.

**Presenters:** Reshan Richards is Director of Educational Technology at Montclair Kimberley Academy.

**Interactive Whiteboards and Web 2.0**

**Room 220**  
3:10 to 4:00pm (Session D)  
**Skill Level:** All  
**Strand:** Tech to make your work easier  
**Twitter:** @lynnreedy  
**URL:** www.lynnreedy.com  
**Email:** reedyl@stafford.k12.ct.us

The levels of interactivity made possible by various Web 2.0 tools provide students with opportunities to express themselves in many ways. What about using these tools on an interactive whiteboard? How can that happen? In this workshop, we will examine various Web 2.0 tools that support interactive whiteboard (Mimio) technology. Sample projects will be given as ways to demonstrate how you can use these tools in conjunction with an interactive whiteboard. Web 2.0 examples such as presentation, collaboration, polling, video, and virtual meeting tools will be demonstrated. A Mimio will be used to demonstrate, but the workshop materials can be used with any interactive whiteboard.

**Presenter:** Lynn Reedy is Instructional Technology Specialist for Stafford Public Schools in Connecticut.

**Google: Driving Your Workflow**

**Room 222**  
3:10 to 4:00pm (Session D)  
**Skill Level:** Beginner  
**Strand:** Tech to make your work easier  
**Email:** pgomes@collaborative.org

This session explores Google Drive (formerly Google Docs) and how it can be utilized in schools to improve workflow and increase organization. Participants will use their Google logins and learn how to share folders and documents with others, create and upload different file types to Google Drive, and how to collaborate on a document through Google Drive to increase productivity and create a document for collaborative research. Participants will also work through a Google Form, learn how data can be collected almost instantly by having participants share their questions...
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tep-wm.org

Workshop Descriptions, Continued

Through the form and document throughout the presentation.

Presenters: Pedro Gomes, Special Education Program Coordinator at Collaborative for Educational Service; and Ryan Fleming, also of CES.

The Good and the Bad of Social Media

Room 224  3:10 to 4:00pm (Session D)
Skill Level  All
Strand  Tech to make your work easier
Email  bwhitehouse@pvpa.org

In a round table format, we’ll explore the issues surrounding the use of social media by teachers and students. Some feel that social media is one way to meet students “where they spend their time”. Others are concerned that the blurring of social lines between teachers and students opens both to unacceptable risks. We’ll explore both sides of the argument and see if it’s possible that both and neither are completely correct.

All workshop participants will be invited to contribute to #SMinSchool to continue the discussion.

Presenter: Brian Whitehouse is a Language Teacher at Pioneer Valley Performing Arts School.

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Workshop Descriptions, Continued

Mapping Curriculum with an Online Digital Mapping Tool

Room 226  3:10 to 4:00pm (Session D)
Skill Level  All
Strand  Tech to make your work easier
Email  lawl@frsu38.deerfield.ma.us

This session will provide a demonstration of how to use an online curriculum mapping system and how using an online system enhances collaboration among teachers across the district and enables ongoing expansion of resources for teaching and assessment. Online mapping encourages teachers to consider using technology based lessons.

Presenters: Louise Law is Director of Elementary Education for Union #38 School District; Sarah Mitchell, Director of Secondary Education for Frontier Regional School District.

iGet, iLearn, iTeach: iPad

Room 302  3:10 to 4:00pm (Session D)
Skill Level  All
Strand  Tech to make your work easier
Twitter  @gaby13rh
URL  www.strategy2design.com
Email  gaby@strategy2design.com

Enhance your user experience by making certain that you know how to utilize all the features of your iPad. Swipe to navigate and multitask, customize, use iTunes to download apps and share files, and use both cameras. The instructor will share some favorite apps, but the focus will be using the device itself. Become a super user in no time! Covers iPad 2 & 3, iOS versions 5 and 6.


Cyber-Browsing at the Library of Congress

Room 312  3:10 to 4:00pm (Session D)
Skill Level  All
Strand  ELA and the Humanities
Twitter  @CESSuzanne; @EmergingAmerica
URL  emergingamerica.org/
Email  sjudsonwhitehouse@collaborative.org

We’ll spend one short hour exploring the many treasures of the Library of Congress online. Rich in primary sources from historic newspapers to maps from around the world, the Library has something for teachers at every grade level and in subjects from history to ELA to math and science. We’ll start with a guided tour of the site, then move on to some of the resources designed specifically for teachers. We’ll look at using primary sources as a way to teach critical thinking skills required in the Common Core State Standards. Participants will leave the session with links to Primary Source sets to use in their lessons and an understanding of how to begin their own explorations at the Library of Congress online. Emerging America sponsors day-long workshops for teachers interested in learning more about the Library of Congress.

Presenter: Suzanne Judson-Whitehouse is Assistant Director for Emerging America at the Collaborative for Educational Services.

Girls and Robotics

Room 318  3:10 to 4:00pm (Session D)
Skill Level  Intermediate
Strand  STEM
Email  Runyank@arps.org

Participants will learn how one school is using Lego robotics to interest more girls in STEM ideas. They will have a chance to interact with Lego robots for a couple of age levels and think about how they might use robotics to interest girls (and boys) in engineering fields.

Presenter: Kathryn Runyan, Instructional Technology Teacher for Amherst Regional Public Schools.

Planning and Monitoring the Massachusetts Model System for Educator Evaluation

Room G214  3:10 to 4:00pm (Session D)
Skill Level  All
Strand  Tech to make your work easier
Twitter  @mclarouche
URL  www.knowledgeware21.com
Email  clarouche@knowledgeware21.com

This session demonstrates software guiding teachers to select MMSEE Standards, aligned to lessons, rubrics and assessments leading to individual teacher proficiency profiles. The software is designed around a central library that uses a common language of well-articulated learning items. It serves as a tool to guide teachers through the process of choosing from the library the learning items essential to achieving the expectations of the MMSEE Standards, aligning lessons and designing lessons and assessments aligned to the rubric and learning item. Ultimately, teachers and administrators use the rubric to determine and store the proficiency level of individual teachers around each standard. All data is stored in the system making performance level tracking completely transparent and efficient. This information has many uses and in the software, including tracking overlaps and omissions across different lessons and assessments aligned to rubrics and standards.

Presenter: Christine Larouche is Director of Research for KnowledgeWare21.
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Thank you!

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**Vendor Exposition Room Layout**

**Peoples Bank Room, HCC Kittredge Center**

**Technology in Education Conference 2012**

**January 17, 2013**

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**Power Supply Needed**

- 8 ft. x ~3 ft.

**Vendor**

- 6 ft. Round

**Refreshments**

- Column will be held in the alcove across from the Peoples Bank Room.

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**TiE 2013 REGISTRATION**

**V SCHOOLZ**

**Cafeteria and Room G14 (Downstairs)**

**Main stairs to second floor**

(Enter building on first floor from parking lot)

**Hallway to Classrooms 203-318**

(2nd and 3rd floors)

**Theater**

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**EXPO HALL REFRESHMENTS:**

Coffee, tea and water will be served with morning refreshments and will remain available in the Expo Hall until gone. Beverages will be refreshed again in the afternoon.

Morning pastries will be served in the Expo Hall from 8:00am until the Keynote.

Cookies will be served in the Expo Hall during the 2:30 to 3:00pm Vendor Showcase.
TiE2013 Conference attendees may earn 10 PDPs by meeting the following three requirements:

1. Full day attendance (you must sign-in both at registration and after lunch to receive PDPs)
2. Completion of a lesson plan incorporating a technology tool or concept that you encountered at TiE2013 (a sample lesson plan is available at: tep-wm.org/images/tie2013conferencepdp.pdf)
3. Plus one additional activity (select one of the following options):
   - Select three technology tools or concepts you learned about at TiE2013. Conduct online research or another exploration of each tool or concept and write one 250 word essay addressing what your school or district could do with one or all of these tools. Be creative. Please include links to each tool (when available).
   - OR
   - Write a 250 word blog post detailing your opinion on one of the concepts covered during TiE2013. Examples include (but are not limited to) the use of social media in the classroom, blended learning, and flipped classrooms. Your audience for this blog post is your school and/or district.

All submissions are due by 5:00pm on Friday, February 1, 2013. Submissions should be emailed as PDF attachments to technology@collaborative.org. Be sure each submission includes your name and email address.

Questions? Contact Casey Daigle-Matos, cdaiglematos@collaborative.org or 413.586.4900 x175.
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