

Electronic Educator

Connecting Technology Educators in Maine

A Publication of the Association of Computer Technology Educators of Maine September 2015



By Barbara Greenstone
K-12 Technology Integrator
Boothbay Region Schools

The ACTEM 2015 Conference will be held at the Cross Insurance Center in Bangor, October 15-16. The decision to hold this year's conference in Bangor rather than Augusta has left a few of our southern Maine members wondering if driving the extra 70 miles is worth it. If you're not familiar with Maine's Queen City, or if you haven't visited recently, you may not be aware of the variety of things to see and do there. Of course, we think

Destination: **Bangor, Maine** *Come for the Conference, Stay for the Weekend,* **No Passport Required**

the conference itself makes the drive worthwhile, but you may want to stick around after the conference and enjoy the weekend. The greater Bangor area offers opportunities for dining, sight-seeing, and entertainment that you might expect to find in a more cosmopolitan destination, but it's practically in your backyard - no passport needed!

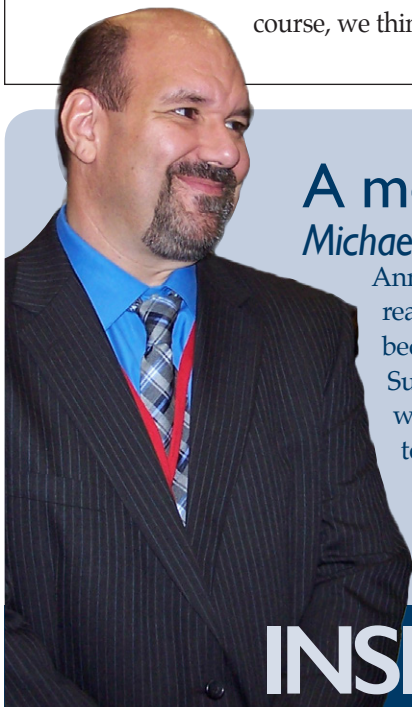
If you are a U Maine alumnus or parent of a current student, consider extending your stay and attending the homecoming/parents weekend activities at the Orono campus. There are several sports events for Black Bear fans, including a big football game (vs Yale) on Saturday. If you're looking for cultural events, try the Collins Center for the Performing Arts. There's a performance of 42nd Street by the Broadway National Tour company Friday night, a Live in HD broadcast of

Verdi's Otello on Saturday, and other recitals and musical performances on campus. There are also tours and exhibits that weekend. Check the Alumni Association website, <http://www.umainealumni.com/> for more information.

Mid-October is prime leaf-peeping time and Bangor is just a short drive from one of the best places in the world for scenic views and fall foliage, Acadia National Park. Take a drive along the Park Loop Road, bike along the carriage roads, or hike up a mountain for spectacular views and photo opportunities.

For your dining pleasure there are several fine restaurants in Bangor; just check Trip Advisor or Yelp. You will find everything from fine dining at The Fiddlehead or Thistles to brew pubs

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A message from the President Michael Richards, Wells-Ogunquit C.S.D

Ann Rice once said, "None of us really changes over time. We only become more fully what we are." Summertime seems to be that way. This is the time we have to recover, recharge, refocus, and prepare ourselves for the future and what comes about in a new school year. This

summer was no different.

As the school year seems to become longer and longer there was a short break before the summer PD session started up with the technology teacher, and ISTE 15 conference in Philly along with the MLTI Summer Institute at Bowdoin. Based on the feedback I heard, all three events left people excited for more. On the ISTE 15 trip, it was great to connect with folks

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**Association of Computer
Technology Educators of**

P.O. Box 187, Gorham, ME 04038
toll free: 866-99-ACTEM
voice: 207-222-4353
fax: 207.222.2057

BOARD OF DIRECTORS

Michael Richards President
mrichme@gmail.com

David Bridges Vice President
dbridges@sedomocha.org

Andrew Wallace Treasurer
atw@spspd.org

Deborah White Recording Secretary,
Educator of the Year Co-Chair
flickatomte@gmail.com

Gary Lanoie ACTEM Executive Director
glanoie@actem.org

Mike Arsenault SIG Technology Integrationist
mike_arsenault@yarmouthschools.org

Dennis Crowe NEISTE Treasurer
dennisc@gorhamschools.org

Dennis Kunces Professional Development
dennis.kunces@gmail.com

Rachel Guthrie Publications
rguthrie@smccme.edu

Crystal Priest ACTEM Conference Co-Chair
cpriest@sad4.org

Jaime Steward Educator of Year Co-Chair
jsteward@carrabec.org

Gwenyth Maguire ACTEM Conference Co-Chair &
Digital Media Services
gwynethmaguire@gmail.com

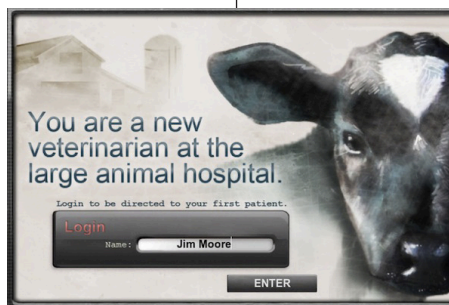
Business Meetings

2015-16 school year
September 21st, 2015
December 14th, 2015
March 4th 2016
May 9th 2016

We meet from 9:00 am to 12:00 noon on
Monday mornings in Room 103A/B,
First Floor, Cross Office Building,
Augusta. Remote sites are generally
available for these meetings. Check the
ACTEM website for meeting details.

Interactive Cases from Cogent Education

ACTEM is proud to offer award-winning secondary science education resources – Interactive Cases from Cogent Education. Funded by National Institute of Health and National Science Foundation, the Interactive Cases were designed by scientists to help students learn difficult scientific concepts through inquiry and problem-solving. Interactive Cases use videogame technologies to allow students to explore the “molecular” world through dynamic interactive virtual environments. Each one provides a captivating real-world scenario placing students in a variety of science-based careers. Our



technologies enable students to collect and analyze data, form and test hypotheses, and communicate their findings. Students learn the relevance of science by solving a real world problem.

Teachers can monitor student progress and performance, while the students are using the Interactive cases, which are presented in a heat map format (red, yellow, green). The heat map pinpoints areas of need for each

student, thereby allowing the teacher to instantly personalize and differentiate their instruction. In addition, the built-in formative assessment tool allows teachers to view

students' performance on specific critical thinking skills in real time.

The Interactive Cases are affordable, aligned to the Next Generation Science Standards, are research-based

ACTEMs Professional Development Program

Individual ACTEM members are invited to apply for up to \$300 per year for reimbursement of funds spent on a professional development activity. See the ACTEM website for specific requirements for the program and our online application form: http://www.edline.net/pages/ACTEM/674420712599600482/ACTEM_PD

ACTEM will reimburse individuals for course and registration fees associated with the professional development activity. Course materials, lab fees, travel, meals and other similar costs will not be reimbursed.

HOW DO I APPLY?

1. Are you a member? This benefit is only available to ACTEM individual members. Your membership must be current when submitting your application.
2. You need to have held an individual

membership for at least 180 days prior to the start of the professional development activity to be eligible for this benefit.

3. Your application must be received and approved prior to the start date of the professional-development activity.

How do I receive reimbursement? Within 60 days of the completion date of your professional-development activity, you must provide the following and also complete a short survey:

1. Proof of completion of activity (grade report, workshop certificate, etc.)
2. Proof of personal payment for activity (photocopy of canceled check or credit card statement)

Once proof of completion and proof of personal payment are received/ approved and the survey has been completed, the ACTEM Executive Director will then issue a reimbursement check to the applicant.

and proven to work. The research study concluded that the effects on student learning was “staggering” and demonstrated that they improved students’ abilities to think critically and use high order thinking to solve problems.

Cogent Education’s Interactive Cases are appropriate for secondary science education course in the following classes: Intro Biology, AP Biology, Neuroscience, Anatomy & Physiology, Environmental Science, Marine Biology and Middle School science.

Join the growing group of educators who are bringing the molecular world alive, inspiring a love of science and preparing their students for successful science careers! Visit www.cogenteducation.com to hear Cogent Education’s story and find out how other schools are using the Interactive Cases.

ACTEM negotiates the best possible pricing for its customers. Contact ACTEM for price quotes on Cogent Education Interactive Cases!

ACTEM Membership

ACTEM’s membership year runs from July 1st - June 30th annually. Have you renewed your membership yet? Join or renew online at: <http://actem.wildapricot.org/join>

Individual Membership - \$20 annually, the individual membership includes:

- Quarterly newsletter “The Electronic Educator”
- Lunch at quarterly business meetings
- Discounted registration fees at the annual ACTEM conference and other sponsored PD
- Opportunity to apply for Professional Development reimbursement
- Educational discounts on software & other items (as permitted by vendor)

Institutional Membership is \$50 annually (\$25 for small, single school districts)

Gives school and districts the opportunity to purchase software and other items at our low educational, volume pricing. Some of ACTEM’s vendor

ACTEM Board Members working hard at the retreat this summer

partners also provide special benefits to our institutional members. For example CDWG provides discounts and free ground shipping on all orders for ACTEM member schools and districts.

Apple Distinguished Schools and Programs to Host School Visits

By Jim Moulton

Apple recognizes schools from around the world who make their schools great through the Education Recognition Program with a focus on Five Best Practices. In considering a school or program for recognition, Apple looks for evidence of visionary leadership, innovative teaching and learning, ongoing professional learning, compelling evidence of success, and flexible learning environments.

This fall, four of Maine’s recognized schools will be opening their doors for School Visits, providing an opportunity for participants to see not only what these schools look like on a daily basis, but how they tick — how students and teachers leverage technology and work together with leadership and support staff to make their schools a great place for students to learn and for teachers to teach.

These schools are a mix of Apple technology implementations and grade levels — an iPad 1:1 middle school, an iPad 1:1 high school, and a MacBook Air 1:1 middle school. There is also an iPad elementary school in the mix.

Though each visit will be unique, they will all take place during the morning, and will follow a generally consistent agenda. Each will begin with a chance for participants to be introduced to the



school’s’ work and the role technology plays. Leadership, technology integrator, teacher, and student voices will be part of this introduction.

Next, participants will move around the school, with opportunities to visit classes in action and to speak with students and teachers about what they observe. Classroom and program visits during this part of the morning will be diverse in order to assure choices of interest to all.

After the classroom visits, participants will re-gather and have a chance to ask clarifying questions about what they have observed. Again, diverse voices from the host school will be in place in order to make sure the right perspective is available to appropriately respond to each question.

Registration will be socialized via the ACTEM list as well as through other means. Schools are encouraged to send a team that includes leadership, technology integrators, technical staff, and teachers. There will be 25 - 30 spaces available for each school visit.

Apple Distinguished School and Program School Visits scheduled for Fall 2015 in Maine include:

iPAD 1:1-24/7 9/29/15,
8:30 - 11:30AM, Middle School of the Kennebunks, 60 Thompson Road, Kennebunk, ME

MACBOOK AIR 1:1-24/7 10/1/15
8:30 - 11:30AM, Bonny Eagle Middle School, 92 Sokokis Trail Buxton

iPAD 1:1-24/7 10/2/15
8:30 - 11:30AM Boothbay Region High School, 236 Townsend Avenue, Boothbay Harbor, ME

(continued on page 11)



Top row, left to right: Jeff Mann from ePlus, ISTE bus sponsor, Tyler Dunphy, with hat on from DSCI, ISTE Bus sponsor, Dervin Grady in the aisle, and Bus Entertainment Coordinator, Eric Butash, from Rhode Island: Bottom row, left to right: Dennis and Michael at LOVE Park, Bus Mom, Dennis

Report From an ISTE Rookie

By David Bridges

How cool to be at a conference with over 15,000 other attendees from 76 nations! I was admittedly one of the rookies at ISTE 2015 in Philadelphia this past June, but ISTE is well-prepared to help the newbies: customized app to help you plan your days, helpful conference staff, maps, virtual tours, live tours, and digital (as well as print) signs at every turn.

I look forward to learning experiences such as ISTE, ACTEM and others as a means of recharging. By getting away from the daily challenges for just a few days and escaping the vacuum in which I often find myself as I face those challenges, I enter these conferences to learn how I can improve our schools through new and innovative strategies and learning tools. The learning of course extends far beyond the sessions as people gather for

meals and receptions, breaks and strolls through the exhibit hall.

First, I had the privilege of representing ACTEM at the Affiliate Summit. I appreciated the opportunity to meet affiliate representatives from states and regions both urban and rural. As diverse as these affiliates are, we do share many of the same visions for our organizations, as well as challenges. We had an opportunity to hear from affiliate leaders on ways to improve our organizations and discuss ways to overcome these shared challenges.

ISTE produced excellent keynote presentations. The energy of the large crowds coupled with the great set design and audio-visual tools set the stage for excellent presenters. The speakers came from varied backgrounds but all arrived on stage with powerful messages. Soledad O'Brien gleaned from both her professional experience and her life experiences to illustrate the importance

of education around the globe. Jack Gallagher, the father of a child with autism, humorously, yet very passionately, shared both his parenting successes and mistakes. He caused me to reflect both as an educator and a father. Josh Stumpenhorst, a middle-level history and English teacher, enthusiastically discussed our powerful role as educators--that no technology replaces a great teacher.

With ISTE being back on the east coast this year, there were a lot of Mainers at the conference. In fact so many, that ePlus and DSCI worked with ACTEM to sponsor a bus to help get them all to Philly. Unfortunately, I missed the bus because I had to leave early for the Affiliate Summit, but from what I heard, it was a great trip for all on board. While in Philadelphia, the bus passengers also enjoyed a Duck Tour sponsored by Data Memory Systems. #ISTEBus

For other rookies here are a few tips:



Photos, from top left: ISTE Opening remarks from CEO Brian Lewis, and Chair of the board Keicia Ray, a view of the Tall Ships from the Duckboat, ACTEM Secretary Deb White, Joanne and Richard, the 44 ISTE bus riders (28 from Maine and 16 from Rhode Island), travellers wearing the ISTE swag, and three photos at the bottom, the Philly Duck Tour!



I pass along this tip from a veteran of the ISTE conference: head to the exhibitor area with your upcoming projects in mind. Have questions in mind and get advice from the experts. Spend some time just getting familiar with the venue, and don't hesitate to ask questions.

When at ISTE in Philly, there are just three words to help you figure out where to eat: Reading Terminal Market.

Keep an eye out for special receptions hosted by affiliates and vendors. Speaking from experience, don't forget your Fitibit charging cable lest you miss out on thousands of steps! Consider attending ISTE 2016 in Denver, and for a more local option, ACTEM '15 is coming up this October at the all-new Cross Insurance Center in Bangor!



actem

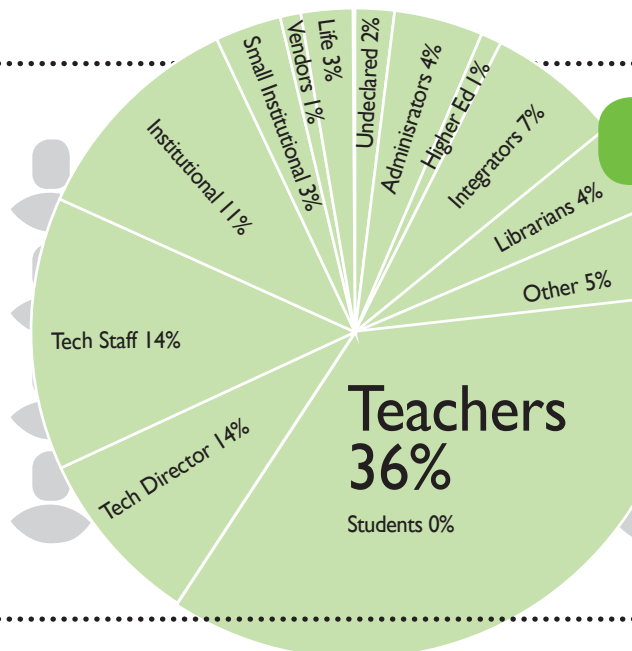
ANNUAL REPORT 2014-15

Association of Computer
Technology Educators of

P.O. Box 187, Gorham, ME 04038

Tel: 207.222.4353 | Fax: 207.222.2057

info@actem.org | www.actem.org



Membership

Individual	793
Institutional (District)	109
Small Institutional	32
Vendor	10
Life	25
Students	1

Award Programs

2014 Leader of the Year Deborah Barrows, AR
Gould School, Long Creek Youth Development Center

2014 Educator of the Year Jessica Dunton, 3rd
Grade Teacher, SeDoMoCha Elementary School **2014
Leader of the Year Finalist** Terri Dawson, Technol-
ogy Integrator, Gorham Middle School **2014 Educa-
tor of the Year Finalist** Corey Norman, Southern
Maine Community College

Sponsorships

EdCamp Maine
Waynfleet School, Portland
EdCamp Western Maine
MooseTech 2015
ISTE 2015 Bus

**2014 ACTEM
CONFERENCE**
OCTOBER 9-10
AUGUSTA CIVIC CENTER

STATS

The conference featured the following
workshops over two days:

210 Full-day Sessions
20 One-hour sessions
20 Half-day Sessions

79 TWO
DAY PASSES

KEY Thursday featured Maine's own Richard Bryne
NOTES Friday featured Chris O'Neal of the University of Virginia

60 Companies
Represented

147 Exhibitor
Representatives

263 THURSDAY ATTENDEES • 542 FRIDAY ATTENDEES

401 TOTAL
THURSDAY
ATTENDANCE
Attendees & Exhibitor
Representatives

689 TOTAL
FRIDAY ATTENDANCE
Attendees & Exhibitor Representatives

98 complementary
registrations

Save the Date! ACTEM 2015 Conference,
October 15-16, 2015, Cross Insurance Center

71 Members received PD funding, here is where they went

28 - TechnologyTeacher.me 2013
18 - ISTE 2015 Philadelphia
11 - Google Summit 2014
6 - PowerSchool University
8 others that included: [Scratch for Teachers,
PowerSchool Users Group Conference, School
Technology & the Law, ITIA Conference, Orlando-FL,
EDU 670 Ed Leadership Course USM, Lesley Univer-
sity, FETC 2015 & LL2014 Auburn iPad Conference]

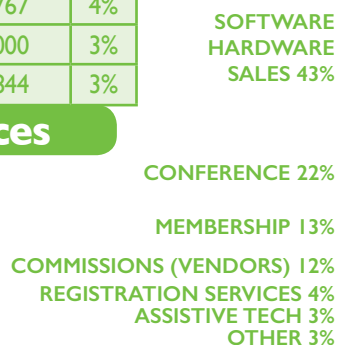
\$20,221 Reimbursed
to Members

Professional Development

In accordance with
ACTEM's mission,
members may apply for
assistance in the form
of reimbursement on
qualifying technology
professional development
opportunities.

Category	Income	%
Software/Hardware Profit	\$ 80,504	43%
Conference Profit	\$ 40,916	22%
Membership	\$ 25,170	13%
Commissions (Vendors)	\$ 23,830	12%
Registration Services	\$ 6,767	4%
Assistive Tech	\$ 5,000	3%
Other	\$ 3,844	3%

Income Sources



ACTEM Cost of Goods and Profit from Sales

Profit	Cost of Goods Sold
\$80,504	\$665,869

Fiscal Year Financials

Gross Sales Data

Hardware	\$159,190
Accessories	
Memory	\$76,388
Software	\$510,840
TOTAL	\$746,383

ACTEM ISTE 2015 Bus

ACTEM chartered a bus to help members get to the ISTE 2015 conference in Philadelphia, PA this past year. ACTEM did not fill the bus but partnered with RISTE the Rhode Island ISTE Affiliate. Together we and brought 28 ACTEM and 16 RISTE members to the conference. Special thanks go to our sponsors, DSCI and ePlus for making the cost reasonable for members. Also thanks go out to Data Memory Systems for sponsoring a Duck Boat tour.

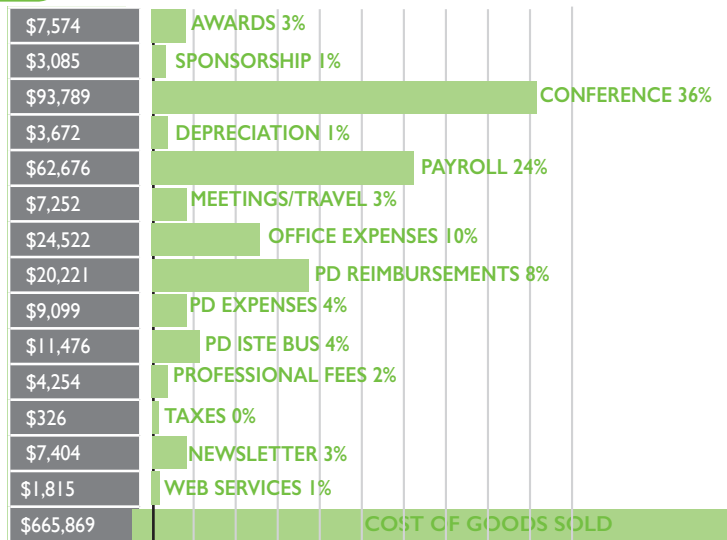
ISTE Bus Expenses	\$11,476
ISTE Bus Income	\$ 8,723
Cost of Bus	\$ 2,753

Bus sponsorship cost less than \$100 per ACTEM member attending ISTE.

Expenses

NOTE: Expense category breakdown excluding "Cost of Goods Sold"

ACTEM 2015 Tech Conference accounts for 36% of ACTEM's expenses and 22% of the income.



FY 2014-15 Financial Summary

ACTEM had a successful year in 2014-15 and ended the year with a profit.

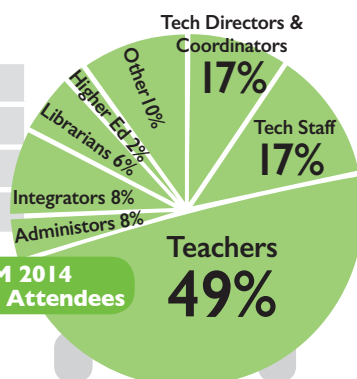
Total Income	Total Cost of Goods Sold [Expense]	Total Other Expenses	Net Income
\$ 960,320	\$665,869	\$254,799	\$39,652



ACTEM 2014 Conference

Conference Income	\$134,705
Conference Expenses	\$93,789
CONFERENCE PROFIT	\$40,916

ACTEM 2014 Conference Attendees



\$180,303.13	\$183,625.85	\$3,322.72
Fund Balance June 2014	Fund Balance June 2015	FY 2013-14 Gains

The Maine Community Foundation Fund

Maine Community Foundation works with nonprofit organizations like ACTEM and provides professional investment management services.

WHAT'S YOUR SUPER POWER?

FOR ADMINISTRATORS

1. Making do: *Leveraging tech on a shoestring*
2. End of Sit & Get: *PD ideas that work*
3. Helping Parents Raise Good Digital Citizens
4. Helping Students Navigate Digital Decisions
5. e-Portfolios and Assessment
6. (Rethinking) Rigorous Assessment
7. PBE on the Cheap
8. Evaluating Competency Based Learning Systems
9. How to find \$\$ to Support Technology
10. Evidence of Proficiency: Time to Create!
11. Prepare for Online Assessment by Using Your Apple Devices
12. Monitoring and Managing Learner Progress
13. The Power of a Proficiency-based Gradebook
14. Transform Learning With Zulama
15. Moxtra for Students & Teachers
16. The TransParentSEE Project - Flip the Classroom!
17. Flexible Learning Environment Lunch Chat

FOR STEM TEACHERS

1. Hour/s of Code
2. 3D Printers for the Classroom
3. Programming Robots Using Mindstorms
4. Advanced Robot Programming - Mindstorms
5. Tinkering & Engineering in the Classroom
6. Step into STEM
7. Code Studio K5 Courses
8. Intro to an Innovation Mindset!
9. Thinking Swiftly
10. One Hour Game Design
11. iOS App Creation For the Rest of Us
12. Digital Data - Apps to Capture Scientific Data
13. STEAM Powered Design Thinking
14. Coding Options for the iPad
15. iPad "App Smashing" in Science
16. Invention Convention Workshop

FOR LIBRARIANS OR MEDIA SPECIALISTS

1. Helping Students Navigate Digital Decisions
2. Create your own Digital Textbooks
3. Using Images for Lessons, Social Media, and More
4. Incredible Apple Resources - Collections, Courses, and More
5. Bookmaking with a Purpose - Book Creator on iPad
6. From Library to Learning Commons
7. AV Survival Course
8. Engaging Students with PBS LearningMedia

FOR TECH COORDINATORS OR IF YOU PROVIDE TECH SUPPORT TO EDUCATORS

1. Making do: "Leveraging tech on a shoestring"
2. Automating... Everything
3. Google Apps Admin - What's new and Going Beyond the Basics
4. MLTI Tech Lead Roundtable
5. Introduction to Cyber Security
6. All Things Powerschool - for PS Administrators
7. How to find \$\$ to Support Technology
8. Classroom Tools to Support a 1:1 Deployment
9. Is the Cloud Right for Me?
10. Designing a Wireless Network
11. Network Security 101
12. Prepare for Online Assessment by Using Your Apple Devices
13. Conversations with Trey
14. Infinite Campus Users Round Table
15. HP Q & A and Open Chat
16. A faster way to do business with HP
17. HP Self Maintainer Program
18. Microsoft Agreement through ACTEM
19. Year 1 of a Student Tech Support Team
20. Yours, Mine, Ours - Apple Devices in a Shared Environment
21. Foundations of Shell Scripting
22. Organizing your digital life



COMPILED BY BARBARA
GREENSTONE, K-12
TECHNOLOGY
INTEGRATOR,
BOOTHBAY
REGION SCHOOLS

**ACTEM2015
WORKSHOPS
TAILORED TO
FIT YOUR NEEDS:
CHOOSE A STRAND!**

THE ACTEM 2015
CONFERENCE OFFERS
SOMETHING FOR EVERYONE.
WHATEVER YOUR ROLE
IN YOUR SCHOOL OR
DISTRICT, OR WHEREVER
YOUR INTERESTS LIE,
THERE ARE SURE TO BE
SEVERAL SESSIONS THAT
SUIT YOUR NEEDS. TO HELP
YOU CONSTRUCT YOUR
OWN STRANDS, HERE ARE
SOME SUGGESTIONS. OF
COURSE, FEEL FREE TO
MIX AND MATCH. CHOOSE
THE WORKSHOP SESSIONS
THAT INTEREST YOU, THEN
LOOK FOR THE CONFERENCE
SCHEDULE, IT WILL BE
POSTED ON THE ACTEM
WEBSITE SOON.

TEACH WITH IPADS?

1. Using Apps to Close the Gaps
2. Personalization of Learning Through iPads
3. iPad "App Smashing" in Science
4. iPad Apps for Middle/Secondary Students
5. Early Learning with iPads: PreK and K
6. iPads for Giving and Receiving Feedback
7. iTunes U Course Manager iPad Style
8. App Talk
9. Visual Notetaking using your Apple MLTI iPad
10. Painting on your Apple MLTI iPad without the Mess!
11. Hands on, Minds on!
12. Incredible Apple Resources - Collections, Courses, and More
13. 9 Essentials of iOS 9 in Education

FOR ELEMENTARY TEACHERS

1. Virtual Tour of a Tech Savvy Second Grade Classroom
2. Flipped Learning for our Youngest Learners
3. Create Choose Your Own Adventure Videos
4. Yes you can! 1:1 devices in Elementary school
5. Early Learning w/ iPads: PreK & K
6. Code Studio K5 Courses
7. Mystery Skype
8. Invention Convention Workshop
9. Hands on, Minds on!
10. Bookmaking with a Purpose - Book Creator on iPad
11. Creating a Buzz with Bee-Bots
12. PBL & Standards

FOR TECH INTEGRATORS

1. Geek of the Week
2. The End of Sit & Get: PD Ideas That Work
3. Twitter for Professional Development
4. Year One of a Student Tech Support Team
5. Student Collaboration on Steroids: Smart Amp
6. OMG! When Did They Do All That?
7. Getting Back To "It's All About Learning"
8. Build a Collaborative Classroom and Increase Productivity with Microsoft OneNote
9. Tools You Can Use Tomorrow
10. Power Using Twitter
11. Online PLN's with "Just in Time" Professional Resources
12. Tech Wagon Derby
13. What's New at Apple - Rapid Fire
14. 9 Essentials of iOS 9 in Education
15. X Essentials of OS X El Capitan in Education

TEACH WITH GOOGLE APPS FOR EDUCATION?

1. Google Forms & Flubaroo = Self Grading Assignments
2. Beyond the Basics of Google Classroom
3. Introduction to Google Classroom

INTERESTED IN THE NEWEST AND COOLEST TECHNOLOGY TOOLS AND IDEAS?

1. iBeacons & the Apple Watch - What, How, and Why?
2. Geek of the Week
3. A Classroom of Augmented Realities
4. Utilizing QR Codes
5. Customize Instruction with QR Codes
6. Classcraft - Interactive gaming for the classroom
7. Augment Your Reality
8. Tech Wagon Derby
9. What's New at Apple - Rapid Fire
10. 9 Essentials of iOS 9 in Education
11. X Essentials of OS X El Capitan in Education

INTERESTED IN ASSESSMENT?

1. Google Forms & Flubaroo = Self Grading Assignments
2. e-Portfolios and Assessment
3. (Rethinking) Rigorous Assessment
4. iPads for Giving and Receiving Feedback
5. Evidence of Proficiency - Time to Create!
6. Prepare for Online Assessment by Using Your Apple Devices
7. Monitoring and Managing Learner Progress
8. Prepare for Online Assessment by Using Your Apple Devices
9. The Power of a Proficiency-based Gradebook



TEACH WITH HP LAPTOPS?

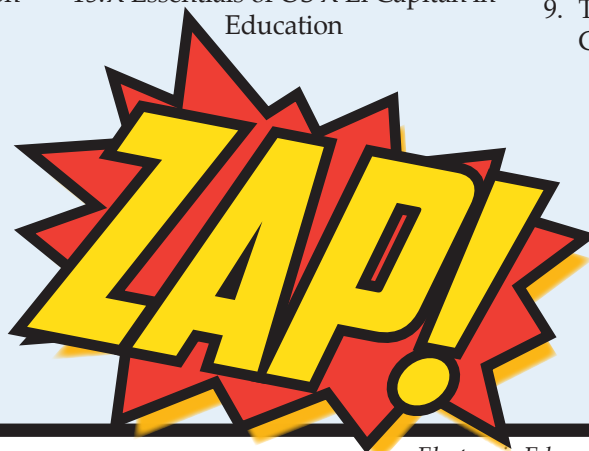
1. HP Q & A and Open Chat
2. A faster way to do business with HP
3. HP Self Maintainer Program
4. HP Classroom Manager

FOR SPECIAL EDUCATORS

1. Increasing Engagement with Technology
2. Assignment Scaffolding with Web Tools
3. Accessibility in Online Education
4. Struggling Readers? Struggling Writers?
5. Flexible Learning Environment Lunch Chat
6. Using Apps to Close the Gaps
7. Chromebooks and Accessibility



**MORE ON THE
NEXT PAGE!**





HUMANITIES

TEACHERS

1. Using Flipagram to Enhance Learning
2. Creating Online Lessons with EDPuzzle
3. Create Choose Your Own Adventure Videos
4. Killing Them Softly w/Keynote
5. STEAM Powered Design Thinking
6. YouTube basics for blended classrooms
7. Blogs: Breaking Through Your Class's Fourth Wall
8. The Rosetta Stone Learner Experience
9. Photo & Video on your mobile device: Tips, Tricks and Apps
10. Using Images for Lessons, Social Media, and More
11. More Cowbell
12. Visual Notetaking using your Apple MLTI iPad
13. Creating Beautiful Documents with Pages iOS on your Apple MLTI iPad
14. Painting on your Apple MLTI iPad without the Mess!
15. Drawing & Painting with Acorn on your MLTI MacBook Air
16. Engaging Students with 21st Century Writing



**REGISTER
TODAY AT
ACTEM.ORG**

TECH LEADERSHIP

Principles for Districts' Social Media Policies

By Scott McLeod/School Administrator, August 2015. Scott McLeod is the director of innovation for the Prairie Lakes Area Education Agency in Pocahontas, Iowa. E-mail: dr.scott.mcleod@gmail.com. Twitter: @mcleod. He blogs at www.dangerouslyirrelevant.org.

School districts nationwide are struggling to keep up as digital devices and online communication environments become ubiquitous for students and educators. As superintendents and school boards try to keep their social media policies both current and relevant, several guiding principles can help with the process.

Focus on behavior, not tech. We often treat digital and online channels as being inherently worse than their analog counterparts. Digital forms of communication don't cause negative behaviors by students or staff but, compared to traditional written or verbal forms, they can increase the speed, scale and scope of the situation when those behaviors occur.

School districts' policy focus always should be on students' and staff's underlying actions, not the technologies themselves. We don't need Facebook or texting policies; we need behavior policies.

Avoid redundancy. Many social media policies cover a laundry list of behaviors, including cheating, bullying, harassment, defamation, academic honesty, distraction, disruption, misuse of district equipment, improper fraternization, violation of privacy or confidentiality and other inappropriate conduct. But your district's policy handbook likely has numerous places where these behaviors already are addressed. Do you need the redundancy of a separate social media or acceptable use policy or can some modest wording tweaks ensure the existing policies include digital communication channels and

environments?

Lean toward learning opportunities, not just punishment. Many social media policies are quick to penalize students or staff for behavioral infractions. Remember, we all are learning what it means to operate in hyperconnected spaces in which anyone can be a content creator and reach audiences on a global scale. Digital, online and mobile are very different from analog, face-to-face and place-bound. It's easy to make mistakes out of ignorance, not just willfulness.

Whenever possible, social media policy consequences should frame miscues as learning, conversation, and reparation opportunities, not just punishment, in order to truly effectuate long-term behavioral changes.

Don't overreach. Numerous districts have gotten into trouble for overreaching with their social media and acceptable use policies. If misbehavior occurs using district computing equipment or environments, it usually is easily addressed by school policies. If misbehavior occurs off campus using personal cell phones or computers, however, those often are a completely different story. Consult legal counsel before creating policies that attempt to punish students or staff for off-campus digital speech or conduct. You don't want to be the district paying a 6 figure legal settlement because you violated someone's Constitutional rights.

Consider your tone. Districts everywhere are doing everything they can to put digital tools into the hands of students and staff because of the powerful learning opportunities that they enable. And then they usually create policy documents that hector and admonish youth and educators about all of the things they shouldn't do. Tone is important. You don't want to undermine your own efforts.

Consider what policies of empowerment and encouragement might look like versus districts' typical lists of No's and Can'ts and Don'ts,

particularly if you want to encourage innovative, technology-using educators to work for you, not someone else.

Don't be agoraphobic. Humans are inherently social and we make meaning together. Connection to each other and the outside world often is educationally desirable. The learning power that can occur in environments that are "locked down" less tightly is vastly greater than those that filter or block outside experts, communities of interest or other classrooms.

Balancing behavioral concerns with empowerment desires can be tricky when it comes to formulating district policy. If we get it right, our students and educators will be empowered and supported to do amazing things with social media and other learning technologies.

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Explain Everything App Developer Reshan Richards and More to Highlight LL2015

By Superintendent Katy Grondin
Auburn, Maine

Planning has been going on since late last spring for the fifth iteration of Auburn's highly successful "Leveraging Learning Institute - iPad in the Elementary Grades." Registration is being fully managed by ACTEM this year, and has gone live as of August 19th at the institute web site: <http://institute2015.auburnschl.edu>

LL2015's Theme is "iPad as a Thinking Tool - Beyond Simplicity: Raising the Rigor"

Dates for Leveraging Learning 2015 are October 28 - 30, and the event will return to the Hilton Garden Inn Riverwatch in Auburn, Maine.

The first focus in many iPad implementation initiatives is on the use of the tool as a resource for reteaching, reinforcing, and practicing fundamental

skills and knowledge. Although the mastery of retrieval and comprehension level knowledge and skills are important, many standards require students to apply and demonstrate the higher order thinking skills found in the upper levels of Marzano's Taxonomy (Analysis and Knowledge Utilization). LL2015 will explore the ways the iPad can be used as a tool to raise the rigor in the classroom.

A wide range of sessions are being carefully designed to support the four strands used by Auburn in support of their elementary iPad implementation - How can we lead and support? (Leadership & Professional Development), What happens in the classroom? (Curriculum, Pedagogy, & Assessment), How do we know our implementation is working? (Data & Research), and How do we make sure the equipment will work well for users? (Technical Project Management).

Sessions will be added to the agenda as they are confirmed. Presenters will include researchers, building principals, district administrators, teachers, and students.

Auburn is especially excited to have Dr. Reshan Richards, Instructor at Teachers College, Columbia University, Chief Learning Officer at Explain Everything, and Apple Distinguished Educator joining us for LL2015. Dr. Richards will be presenting a keynote talk and workshop sessions. And perhaps of greatest value, because of the intimate size of Leveraging Learning Reshan will be available for informal conversations with teams and individuals throughout the event.

Dr. Richards' bio reads in part, "Reshan's research focus has been on using mobile devices, specifically iPad, to support documentation and ongoing assessment of the process of learning through screencasting, the multimedia process of capturing on-screen video with audio narration. Having conducted studies in a variety of elementary school settings, Reshan has found that screencasting can be used in support of challenge-based projects and creative

problem solving by enabling articulation of, building upon, and reflective practices in almost any learning intervention."

In reflecting on her experience at LL2014, Lydia Leimbach, Technology Integrator in the Hall-Dale Schools - RSU 2, said, "In 17 years of teaching I have never been to a conference that has spurred my thinking as much as this one. The firm basis in research and pedagogy makes the difference. Each session sparked ideas, deepened my understanding and/or challenged my thinking."

There will be 140 spaces available for LL2015, and registration will close when that number is reached. Questions about Leveraging Learning? Please don't hesitate to write to us directly at institute@auburnschl.edu

The Essentials of School Safety

A Comprehensive Approach to Law & Policy
Friday, September 11, 2015, Augusta Civic Center | Augusta, ME | 8:55 AM - 2:30 PM
Sponsored by: Drummond Woodsum

This workshop is designed for board members, superintendents, building administrators, school resource officers, law enforcement officials, and anyone else who would benefit from a practical understanding of the legal and policy issues involved in keeping schools safe. All are welcome and encouraged to attend. *Presenters: Attorneys Bruce Smith, Eric Herman and Isabel Beckman and policy expert Ann Chapman.*

For More info: <http://schoollaw.com/events/10020> Registration: <http://schoollaw.com/events/>

Apple School Visits

(continued from page 3)

iPAD 1:1 - SCHOOL DAY ONLY

10/8/15 8:30 - 11:30 AM, Alfred Elementary School, 21 Sanford Road, Alfred, ME

Questions about Apple's Education Recognition Program or the school visits? moulton@apple.com

"The Understudent" Notice The Kids Waiting In The Wings And Turn Every Child Into A Star

Reprinted with permission from the authors from *The Aside Blog: Innovation Design in Education* by Mercer Hall and Patricia A. Russac. <http://theasideblog.blogspot.com/pl/about-authors.html>

Every teacher knows the high-achieving students in his or her classroom. These are the trusted "high verbal" pupils who raise their hands, who answer each question, who quote the night's reading, and who ferry the conversation. It's a tacit trust between educator and child — the rewards are mutual. The lesson can proceed according to the teacher's design, and the extroverts can succeed according to the traditional model.

But what about the introverts?
What about the "low verbals"?
What about the children who read the homework, who complete

the worksheets, who memorize the vocabulary words, who post their projects, and who code their webpages — but who don't speak up?

Most of a typical class is a chorus. Most of the kids who fill the seats and laugh at the jokes and fulfill their studies do not win awards. They do not give speeches at graduation. They do not take a bow with an audience on its feet.

The majority of learners will not play the leads. They will fill the background and be part of the cast.



They will not see their names on the marquee, and they won't even think to deserve it.

If school is a stage, then few

actors will sing the solos or shine in soliloquies.

Most kids will be understudies — or "understudents."

They will know their lines, they will be at every practice, they will work like heck — and yet they will receive little recognition. Because that's how life is. And when they do step away from the ensemble and raise their hands to give a correct answer, it will be a surprise, an anomaly.

The greatest challenge, therefore, for classroom teachers is to identify the talent waiting in the wings. Who is lurking behind the scenes? Who is quieting her voice within the chorus? Who is restraining herself within the dance?

Somewhere, a student just needs a break, some encouragement, and a teacher who believes in him to break out and become a star.

Think about the Tom Bradys and the Kurt Warners who needed a first string player to falter just so they could have a chance.

JUNE TRIVIA QUESTION

In the March issue of ACTEM's *Electronic Educator*, there was an article from SplashData that contained the annual listing of the 25 most common passwords to make the "Worst Password" list for 2014. What was the most common password from this article and thus was listed as #1 ranked worst password? Correct Answer: 123456

The winner of a \$25 Amazon.com gift certificate is Julie St.Hilaire of

Leeds Central School.

September Trivia Question
The Encyclopedia Britannica defines binary code as follows:

"Binary Code is code used in digital computers, based on a binary number system in which there are only two possible states, off and on, usually symbolized by 0 and 1". All data in a computer system consists of this binary information.

This month's trivia question asks

you to decipher the numbers or letters below written in binary ASCII code.

01000001 01000011 01010100
01000101 01001101

Go to www.actem.org to submit your answer. All correct answers will be entered into a drawing for a \$25 LL Bean Gift Card. The deadline to submit answers is October 30, 2015.

Too many times the demands of high stakes testing and rigid teacher evaluations throw educators into survival mode, where they can barely keep their own heads above water, much less look out for a glimmer of light among their docile classrooms.

But that's the job. That's the key. Getting to know each child on a personal level is more important than

drilling rote facts into their heads. All of us can think back to the mentor who believed in us, who pulled us out of our comfort zones.

As the new school year gets underway, one of our resolutions is to seek out the understudents. We also strive to recognize the kids with underparents. They don't make a fuss, they don't complain, and too

often, therefore, we attend to the squeaky wheels.

But the modest geniuses in our midst need us more

than ever. If we don't pluck them from obscurity, then they may end up seeing themselves as members of the throng — humble nodders in the choir, content not to speak up, not to dare, not to lead, and not to share all of the insights within their quick and boisterous minds.

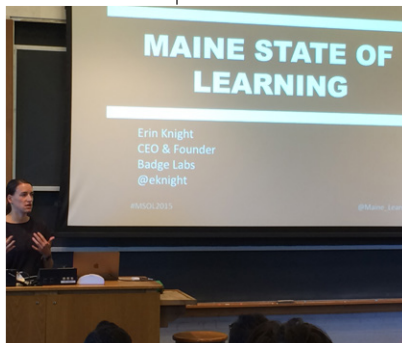
MLTI Summer Institute

The Maine Learning Technology Initiative (MLTI) held its 2015 Summer Institute on July 21-23 at Bowdoin College in Brunswick. This was an opportunity to provide educators with techniques and strategies to help address proficiency-based learning,



Top: David Trask as the annual TechnologyTeacher.me Conference held at Gould Academy.

Left: Erin Knight at the MLTI Summer Institute held at Bowdoin College, Right: Attendees sharing at the MLTI Summer Institute.



Visit us at booth 25!

Have Apple devices in your school?

Used by five of the top 10 U.S. K12 school districts, the Casper Suite helps your IT staff inventory, deploy, and secure your Mac and iPad devices.

JAMF
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Regional Account Executive
JAMF Software
(845) 596-3800
andy.zweig@jamfsoftware.com

Trey Bachner
Systems Engineer
JAMF Software
(207) 252 8034
trey.bachner@jamfsoftware.com

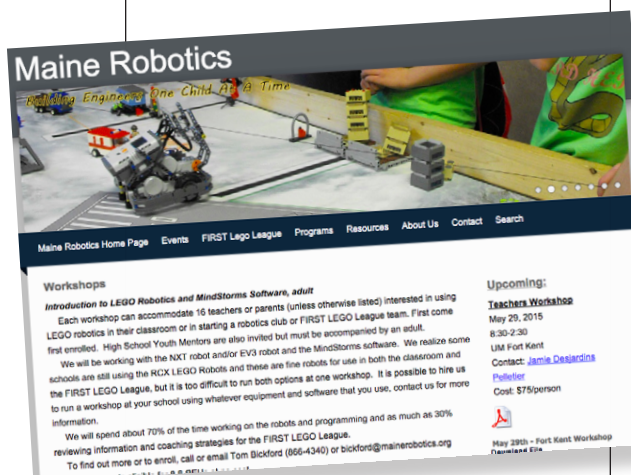
Find out why more than 5,000 schools and businesses rely on JAMF Software to manage over 4,500,000 Apple devices around the globe at www.jamfsoftware.com/actem

teacher accountability and higher order thinking skills. Over 70 Maine teachers attended.

The event headlined keynote speakers: Chris Lehmann of Philadelphia's

Science Leadership Academy and Erin Knight from Cities of Learning and Badge Alliance. During the 3 days, educators had time to examine and try out new ideas with the support of experts. Participants shared strategies to deeply engage students in their learning using technology. Topic strands

included iPad workflows, online and blended learning, building digital content, programming with Swift, and more.



Maine First LEGO League Season is upon us!

By Thomas Bickford,
Executive Director Maine Robotics

Maine is set to have our largest FIRST LEGO League program this fall, our 16th year running the program in Maine, and the topic is a great topic for children to work with in your classes (or out of class).

TRASH TREK is the theme this year and teams of 2-10 students will be building and programming LEGO robots to compete on this year's playing field as well as identifying and researching a topic related to "trash". Maybe they want to learn more about smart production (less waste) to trash-to-energy production, maybe even landfill mining. The possibilities are endless (as is our ability to produce the stuff to begin with).

This year, teams will come together on November 21st at one of several competitions to show their stuff and run their robots. We are planning these qualifiers for South Portland, Jay, and Old Town. Then in December the best qualified teams will head to Augusta for the State Championship. Last year our Championship had 72 teams from around Maine and 3,000 people filled the Augusta Civic Center for the day of activities. This year will be even bigger, don't miss out! The FIRST LEGO League is open to:

- Any school, organization, neighborhood or family team
- In-school, after-school, non-school programs
- Any group that can field two adult coaches
- Children ages 9 to 14
- Have access to at least one LEGO Robot kit

This program is an excellent STEM/STEAM/STEM-C opportunity that is well aligned with the

VISIT US AT BOOTHS LB3 + LB4



NEW ENGLAND'S LEADING AUDIO VISUAL INTEGRATOR



Presented by: Dave Bishop and Adrienne Blasioli

A session focused on the ins and outs of AV in the classroom from the audio visual specialists at Pro AV. Topics in this session: connecting, wireless audio, and resolution. We'll have a Q&A on specific classroom setups including interactive classrooms. Bring questions about specific devices, including document cameras, or bring any pictures of your classroom to help us see your set up.

MEETING ROOM A

THURSDAY 9:15-10:15AM

FRIDAY 1:20-2:20PM

proavsi.com

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WESTBROOK, ME 04092
[P] 207.370.6050

NGSS, Maine Learning Results, Proficiency Based Learning, and well, just getting the students to think. The program has something for the builder, the programmer, the planner, the leader, the researcher, and the presenter.

Over 270,000 children from 80 countries will be participating in TRASH TREK this year. Find out what it's all about!

US FIRST'S WEBSITE

usfirst.org/roboticsprograms/fll

MAINE ROBOTICS FLLWEBSITE

mainerobotics.org/first-lego-league.html

Want to find out more about the FLL? Several no cost informational sessions are listed on the Maine Robotics FLL Website. Just connect or call into one of these session on either Sept. 2nd, 8th or 10th . Upcoming workshops for teachers and parent coaches are also available on:

- September 25th, Falmouth
- September 26th, Rockland
- October 7th, Orono

These workshops are available to anyone who wants to know more about the program and learn how to use the robotics first-hand. Just contact us or check out our Workshops

page at: mainerobotics.org/workshops--open-houses.html

No Passport Required!

(Continued from cover)

like Geaghan's or Sea Dog. You can find Chinese food at Chopsticks, Indian cuisine at Taste of India, or try Moe's Original Bar B Que. Or you might just take a short drive to Hermon for truck stop food at Dysarts.

Bangor may not be known for its nightlife, but there are several establishments that offer music on the weekends. Nocturnem Draft Haus will have a DJ Thursday night and live music on Friday and Saturday. Paddy Murphy's also has live music on Friday and Saturday. Of course, one of the biggest attractions in Bangor is the Hollywood Casino where they also have live entertainment every Friday and Saturday night at The Sound Stage Lounge.

We hope you'll join us October 15th and 16th for two days of professional development at the Cross Insurance Center, and

spend the evenings and that weekend exploring all that the Bangor area has to offer.

A Message From the President

(continued from cover)

from Rhode Island and forge new friendships. It is always good to walk away from our normal work environments and take in new experiences that we can apply back in our own environment.

As is part of the summer tradition, ACTEM held a board retreat at the Gorham office. A lot of items were discussed in order to set the direction up for the upcoming year. One of the discussions was to relax the Mini Conference a bit. As we are looking at rotating the annual conference we will shift the Mini Conference to the other end of the state. This year as an example with the annual conference in Bangor, ACTEM will have the Mini Conference in Southern Maine. Look for more changes throughout the year.

Speaking of the annual conference, ACTEM is excited to bring the conference to Bangor and the Cross Building. For the folks in the County, ACTEM has finally moved the conference to the central part of the state. For the folks in Southern Maine, ACTEM 15 doesn't require a passport to attend! There are lots of reasons to come up, including our keynote speakers, Leslie Fisher and Jaime Casap. Also, if you are planning on going to UMaine's homecoming the conference is a great lead up to it!

One last thing, get involved as there are going to be a lot of opportunities for people to help ACTEM reach our mission this year. Help us become more aware of what we are...

IS THAT A FACT?

Several cities claim to be the birthplace of American folklore's largest lumberjack, including Bemidji, Minn., and Bangor, Maine (the city claims his "birth certificate" hangs in the city clerk's office, listing the location as Bangor). This is the 31-foot-tall Paul Bunyan statue in Bangor, Maine. The city of Bangor and Bemidji are locked in a fight for Bunyan bragging rights: Both claim to be his birthplace.



Bangor's statue is bigger, but Bemidji's is older. Now, Bangor is considering whether the blue ox should join the legendary logger. Bemidji already has a Babe. Courtesy Cross Insurance Center



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Upcoming Events

EdTech Team Connecticut Summit

Sept. 26-27th, Manchester High School, Manchester,
CT <http://ct.gafesummit.com>

Apple Distinguished School Program Visits

- Sept. 29th - Middle School of the Kennebunks, Kennebunk, ME
- Oct. 1st, Bonny Eagle Middle School, Buxton, ME
- Oct. 2nd, Boothbay Region High School, Boothbay Harbor, ME
- Oct. 8th, Alfred Elementary School, Alfred, ME

K12 Online Conference, Oct. 12-30th
<http://k12onlineconference.org/2015-schedule/>

ACTEM 2015 Conference, Cross Insurance Center, Bangor - October 15-16 <http://actem.wildapricot.org/event-2012033>

MassCUE 2015 Annual Technology Conference - Gillette Stadium, Foxborough, MA, Oct. 21st – 22nd <http://www.masscue.org/pages/MassCUE>

EdCamp Seacoast - Oct. 24th, Portsmouth Middle School, Portsmouth, NH
<https://sites.google.com/site/edcampseacoast/> October 24, 2015

CECA Fall Conference - Mohegan Sun, Uncasville, CT - Oct. 25th – 26th
<http://www.ceca-ct.org/ceca/Conference/>

LL2015 – iPads in the Primary Grades – Auburn, ME, October 28th-30th
institute2015.auburnschl.edu - Registration: <http://actem.wildapricot.org/event-2000508>

Vermont FEST 2015, Building on our Stories – Nov. 4-6th – Killington Grand Resort Hotel
<http://vita-learn.org/vermont-fest-2015-is-open/>

EdCamp CES Fall Forum - Nov. 7th - Yarmouth High School, <http://essentialschools.org/fall-forum-2015/edcamp-ces/>

EdCamp Bangor – Nov. 7th - Husson University
<https://sites.google.com/site/edcampbgr/home>

Global Education Conference - Nov. 16-19th - Week-long online event
<http://www.globaleducationconference.com/page/2015-conference>

2015 Christa McAuliffe Technology Con-

ference, Manchester, NH – Dec. 1st-3rd
<http://nhcmctc.org/cms/>

Maine FIRST LEGO League Championship – Dec. 12th -Augusta Civic Center

CoSN 2016 Annual Conference - April 4-7, 2016 - Washington DC

ISTE 2016 Conference - June 26-29, 2016 - Denver, CO

MLTI Professional Development (Apple Solutions): <http://maine.gov/mlti/events/apple.shtml>

(HP Solution): <http://maine.gov/mlti/events/hp.shtml>

Tech Sherpas - <http://www.techsherpas.org/> Tuesday 3pm

#EdChatME - <http://www.greatschoolspartnership.org/edchatme/> Thursdays 8-9pm

Southern Maine Integrators - Now Tech-ConnectME - Join our Google+ Community About Time and Beyond - Join Susie Simmons and Mike Arsenault as they chat about all things technology integration in Maine (& beyond). <https://plus.google.com/events/c7t3atf0tsfcijk7qkankp7164s>

