Connected Educator

Connecting Technology Using Educators in Maine • December 2017

actem
ACHIEVE AWARDS

President's Message
By Dennis Crowe

Once again the ACTEM Conference continues to amaze me! The 30th conference was a resounding success. Exceptional sessions, two fantastic keynotes, and just the energy in the building. With almost 600 registered attendees, the conference has responded nicely after a dip a couple of years ago. Many thanks to our conference committee, who work tirelessly before and during the conference. Special thanks to conference co-chairs Crystal Priest and Barbara Greenstone, and, of course, thanks to all the presenters. We have so many talented people in this State, and the quality of our of our conference sessions compares favorably with any national conference that I have attended! Thanks to all for another successful conference.

In attendance at ACTEM this year were 17 school administrators that attended free of charge as part of our "bring your administrator" program. My goal is that next year we double that! One of the keynotes in 2018 will be Joe Sanfelippo, a superintendent in Wisconsin. Gary Lanoie and I had an

To mark ACTEM's three decades of service to Maine's students, the Awards committee has chosen three amazing educators to receive the ACTEM ACHIEVE Award for 2017. Each one of these professionals epitomize the mission of ACTEM in their daily practice. These educators were recognized at the annual fall ACTEM 2017 conference. ACHIEVE Award winners are professionals who effectively apply available technology now in their classrooms. They realize that teacher and student empowerment is the key element to technology integration. These educators expect success and motivate through awareness and access to information.

Each ACHIEVE award winner is granted a personal cash award of $2,000. The recipient's school is also awarded a $1,000 gift certificate. This gift certificated may be used for any technology related equipment, software, professional development, or other technology services. The 2017 ACHIEVE winners are Alice Barr, Jeff Bailey and Dan Ryder.

ALICE BARR

As the Instructional Technology Coach, Alice works with staff and students in a one-to-one Apple MacBook environment at Yarmouth High School, an Apple Distinguished School. She is very fortunate to be part of a unique technology team comprised of five members - three integrators, a data administrator, and a network and hardware specialist. This model promotes a system that values technology for what it can do for and with students. Innovation in teaching and learning is advanced because her peers and colleagues are willing to try new things. As a member of the SEED Team, Alice learned that when learning new technology, it's important to help teachers try new things by giving reasonable expectations and always maintaining a sense of humor. Although it can be daunting at times, she tries

actem
Business Meetings
All Members Welcome!

December 11th, 2017
March 12, 2018
May 14th, 2018

Meetings run from 9-noon Mondays in Room 103A/B, 1st Floor, Cross Office Building, Augusta. Remote sites are generally available for these meetings. Check actem.org for meeting details.

OCTOBER
Save the Date
11-12
ACTEM 2018 Conference

Maine 2018 Teacher of the Year

Maine Department of Education Commissioner Robert G. Hasson, Jr. named SeDoMoCha Elementary music teacher Kaitlin Young as Maine's 2018 Teacher of the Year.

Kaitlin was selected earlier this year as the 2017 Piscataquis County Teacher of the Year. She began her teaching career in 2010 at SeDoMoCha Elementary School in Dover-Foxcroft, Maine. For the last seven years she has held a variety of music education positions within the district teaching students in pre-kindergarten through twelfth grade. Currently she teaches general music to students in pre-kindergarten through fourth grade and choral music to students in fifth through eighth grade.

"Kaitlin's integrated teaching style and dedication to bring a love of music and the arts to her students as well as their families, and the community that surrounds her makes her a true leader among her peers and an inspiration to us all," said Commissioner Robert G. Hasson, Jr.

As the 2018 Maine Teacher of the Year, she will travel throughout the country collaborating with other educators to support the efforts underway to prepare all students for college, work and civic life. She is Maine's representative in the National Teacher of the Year program which includes a national forum with other state winners, a week at a NASA Space Camp and a visit to the White House.

The Maine Teacher of the Year program is administered by Educate Maine, a business-led advocacy organization, in partnership with the Maine Department of Education and the Maine State Board of Education. For more information about the Maine Teacher of the Year program, visit mainetoy.org.

2017 Maine County Teachers of the Year

Androscoggin: Nesrene Griffin, Governor James Longley School
Aroostook: Leslie Marquis, Fort Kent Community School
Cumberland: Brooke Teller, Casco Bay HS
Franklin: Allison Warman, Rangeley Lakes School
Hancock: Marielle Edgecomb, The Peninsula School
Kennebec: Lisette Bordes, Messalonskee HS
Knox: Iris Eichenlaub, Camden Hills Regional HS
Lincoln: Christopher Coleman, Great Salt Bay Community School
Oxford: Janet Harriman, Sacopee Valley HS
Penobscot: Kasie Giallombardo, Nokomis HS
Piscataquis: Kaitlin Young, SeDoMoCha Elementary School
Sagadahoc: John Dever, Mt. Ararat HS
Somerset: Eric Brown, Lawrence HS
Waldo: Christi Goosman, Searsport District HS
Washington: Rhonda Stevens, Beatrice Rafferty School
York: Jen England, Noble HS

Barbara Greenstone
Friend of Technology Award

The John Lunt Friend of Technology Award was established by ACTEM in 2006 as a way to recognize individuals that have made a significant contribution to education and technology in Maine. The award is named after John Lunt - one of the founding members of ACTEM. John served as president of ACTEM for six years and also chaired our annual MAIN-Education conference for many years.

This year ACTEM is honored to recognize Barbara Greenstone a friend, colleague and the consummate professional. Barbara has recently retired from Boothbay-Boothbay Harbor Community School District and has been known throughout the State as a former long-time MLTI staff member.

In 1995, Barbara was a library aide in her son's elementary school in Brunswick. Through a Network Infrastructure for Education grant the internet arrived and she saw it experienced it, and did what she has now done for over 22 years.

She imagined how technology could improve learning experiences for all members of a school community.

First through the Community of Learners and then, when the time came, on into the Maine Learning Technology Initiative, her imaginings have become actions as she has tirelessly worked to help others comprehend and leverage what technology makes possible.

All accomplished without ever losing sight of her original goal. Improved learning experiences for all.

Learner, writer, leader. Inspired and inspiration both. Thank you, Barbara!

Cheryl Oakes Retires

Long-time ACTEM member Cheryl Oakes, an enthusiastic and visionary technology educator, plans to retire from the Wells-Ogunquit CSD in December. During her 27-year-career, she has served her district as Elementary Computer Coordinator, District Technology Coordinator, and Special Education Teacher. ACTEM's 2005 "Educator of the Year," Cheryl has been a frequent conference committee member and presenter, served several years on the ACTEM Board of Directors, and co-directed (with Alice Barr) the Educator of the Year Award program.

While working full time, Cheryl has maintained a very active online presence in educational technology. She was featured in a 2012 YouTube video "Cheryl and Morgan: Learning Independence" which has had more than 3.6 million views. Ever willing to collaborate and share her knowledge, Cheryl has served as both teacher and moderator on countless online webcasts and podcasts. In 2006 Cheryl was one of four women who started "Women of the Web 2.0." Among her pursuits were presenting at the K12online Conference, recording regular "Seedlings" podcasts with Alice Barr and the late Bob Sprankle, and enrolling in an online course to become a "Webhead." In 2008 Cheryl became a Google Certified Teacher.

ACTEM Spring Leadership Conference
April 24, 2018 • Holiday Inn by the Bay • Portland, ME

This year's theme will center around Networks, Security and Data Privacy. The workshop sessions will focus on the delicate balance of security vs. access.

The keynote speaker will be Simon Weller of Education Networks of America. Concerned about cybersecurity threats taking down your network or compromising your data? Join our security expert at this year's spring conference to discover steps you can take to boost your school district's network security and minimize the possibility of ransomware or DDoS attacks.

really hard to reach out and find opportunities to meet with teachers at their current levels of performance to help them try to innovate.

Alice is fortunate to be on a learning team with the Library Media Specialist. They feel strongly that it's important to give students opportunities that they might not otherwise have. They created a unit for 9th graders called Digital Discussions which promotes safe use of online tools. Students play an integral role in the success of the program. Alice is an advisor to Student Senate and values that the students' energy and knowledge is productive and helpful throughout the school. It's easy to say that students know more than adults. What is not so easy is actually harness students to use their energy and knowledge in a productive way. Alice has students work as assistants in the summer technology class and makes it an expectation that students teach other students and adults. To help promote a positive school climate around technology, students are responsible for rolling out the computers at the beginning of the year, help

with repair and imaging in the summer, and act as Ambassadors when visitors come.

After working overseas, Alice started as the Technology Integrator at Yarmouth High School. At the same time she became part of SEED (Spreading Educator to Educator Development) in the early 2000's. When that project ended, she joined the Seedlings podcast team with Bob Sprankle and Cheryl Oakes. Through those two groups, Alice learned the importance of staying connected to other educators through Twitter and other social media tools. Alice became a Google Certified Teacher (now Innovator) in 2008. She was the 2009 Yarmouth Educator of the Year, a finalist for Teacher of the Year in 2011 and recently received the "Spirit of Excellence" from the Yarmouth Rotary Club. Alice is one of the co-founders of EdCamp Maine, and teaches at University of Southern Maine.

JEFF BAILEY

By Dillon McPherson

The ACTEM awards committee is eager to declare Jeffrey Keith Bailey, of Jay ME, as one of this years recipient of the 2017 ACHIEVE award.

Jeff Bailey– has been teaching at Moun-

tain Valley High School since 1998, spending 10 years as an English teacher before switching to technology electives courses like video production, Architectural Design and Engineering. Jeff, through his classes, is giving future generations of Americans the opportunity to explore careers in technology.

Jeff attended the University of Maine at Farmington and earned a Bachelor's degree in Secondary Education English Language Arts. He also earned a Master's degree in Education in Instructional Technology from the University of Maine.

Jeff has previously been granted numerous other awards, including: the Technology Learning Leader and Developer Grant Award for the SEED Project, the Nellie Mae Education Foundation's Lawrence W. O'Toole Teacher Leadership Award, and the 2014 Oxford County Teacher of the Year. In 2016 Jeff was named an "Inspiring Educator" by WCSH-6 TV and The Maine Education Association.

The skills taught in Jeff's classes are essential to thrive in our technologically advanced world. He believes that "High school students need more opportunities for computer science skills," and "we would be at a disadvantage if we did not allow our students to explore the opportunities in computer based courses."

Jeff also leads professional development in a wide array of topics and is an annual presenter at the ACTEM conference, an EdCamp organizer – and, along with Dan Ryder, infuses learning with comedy on Wicked Decent Learning and the Teachers Lounge Mafia.

Jeff plans to use his award funds to buy a drone for

his school and to hopefully purchase a additional 3D printer for his classroom.

DAN RYDER

When I had only one computer in my classroom, a banged up PC hooked up to a networked printer and the earliest of DSL connections, it became a station where students could research answers to essential questions.

When I had a cart of computers in my classroom, first newer IBM laptops and then the first generation of MTLI MacBooks, the devices became tools for students to express understanding through slide decks, concept maps and written works — both creative and analytical.

When Mt Blue High School went 1-to-1 with MacBooks, then MacAirs, the technology became transformative to my students' learning, they were no longer limited to the the school schedule, confined to classroom walls, or bound by a limited number of applications and tools. Whatever a student can imagine, the tools exist to make it real. For learners in my care the only constraints are time, resolve, and policy.

I teach in a rural community that is struggling with a new form of multi-generational poverty — one disrupting families unaccustomed to such circumstances and having an increasing impact on schools. (To be clear, we've always had students facing these challenges; the numbers have increased dramatically.) It requires we think differently about traditional practices such as homework, high stakes testing, and detention.

Similarly, students of all socioeconomic backgrounds exhibit more stress and anxiety than ever before. The divisiveness marring our political and social discourse threatens to tear apart families and neighborhoods in ways not seen in a long, long time. Students feel pressure to listen, to read, to behave, to engage, to respect, to achieve.

Since adopting several best practices of proficiency based education — emphasizing student voice and choice, establishing flexible deadlines and negotiable contracts, valuing demonstration of standards over completion of assignments, and identifying patterns of achievement through median and mode — I've seen my students take greater accountability for their learning and own their choices, push themselves to move past the dumpster projects and to create meaningful products, and develop the critical thinking skills that will best serve them in our evolving worlds of work. PBE challenges educators to think less about due dates, less about homework quotas, and more about opportunities for students to show what they know. It's served me well so far and I reckon it will into the future.

We live in a technology landscape where students have more information and entertainment in their pockets than most educators over the age of 30 had in our bedrooms growing up. Certainly we can vilify this media as addictive distraction — and there are fair criticisms to be made. We may also harness that access — where the media informs, serves as mentor texts, inspires and opens pathways.

I've long used music, film, television, and web content as learning media whether with struggling ninth graders or AP Lit seniors. And when so doing I've noticed a consistency — engagement and follow through.

The same has occurred when creating models of tiny houses for Depression-era migrant workers, designing 3D printed fidgets for students with stress and anxiety, and collaborating

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Individual Membership
$20 ANNUALLY

- Quarterly newsletter, "The e-Educator"
- Lunch at quarterly business meetings
- Discounted registration fees at the annual ACTEM conference & other sponsored PD
- Opportunity to apply for Professional Development reimbursement of up to $300 per year
- Educational discounts on software & other items (as permitted by vendor)

Membership year is July 1 to June 30. Memberships are up for renewal July 1 each year.

Institutional Membership
$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 partners also provide special benefits to our institutional members
- One free fall conference registration for an approved district/school administrator - See website: http://www.actem.org/Institutional-Memberships

Membership can be renewed by sending a PO or check to the ACTEM office at P.O. Box 187, Gorham, ME 04038. Members may also renew online with a credit card or PayPal at http://actem.wildapricot.org/join.

with students on poetry and art projects beyond our borders.

The common thread: when students see value and purpose, they commit to a course of action. As my teaching craft has grown, so has my capacity to afford students opportunities to more authenticity oriented learning experiences. Adopting the empathy driven, human centered problem solving lens of design thinking has been key to this perspective.

I cannot emphasize this enough: my students successes with technology could not have happened without the common sense, student-first approach our district administrators and technology department have adopted. RSU 9's technology administrator, Darcy Dunphy, and her team balance access with responsible limitations. Always approachable and always advocates for opportunity, they have made it possible for all students to receive insurance for their machines and to take them home at night if they so choose. While MLTI has faced dire challenges from state leadership, our team has made it possible to keep student and professional learning moving forward on its positive trajectory.

Our students thrive within the limitations imposed upon them — especially when they realize they protect and support in equal measure. That is what I have strived to do in my classroom. Students are encouraged to use phones as learning devices. When devices prove more distraction than tool, they're relegated to pockets/backpacks. I've learned more seeing students navigate their experiences with technology than I could have

were I to limit them only to my comfort level and expertise. Do they know more than me? About some things, yes. About many things, not so much.

Each year the Maine International Film Festival honors an individual with a Mid-Life Achievement Award, a recognition suggesting that artist is far from done and has much more to bring audiences. As one of three recipients of ACTEM's 2017 ACHIEVE Awards, I'm feeling that same balance of accomplishment and anticipation— that nearly 20 years of classroom experience has prepared me to do my best work for students yet, that I still have tremendous room to grow, and that mindset matters much more than materials.

ed edCamp STEM Maine
#STEMMEedCamp

A successful STEM EdCamp was held on a Saturday in September at Spruce Mountain MS/HS in Jay, ME. Participants were anyone with an interest in STEM in Maine, from pre-K through college. The event was a participant-led profes-

sional development experience by and for teachers. ACTEM was one of the sponsors of this event.

Softchoice Partnership

ACTEM is proud to announce that we have partnered with Softchoice, a leading North American IT Solutions Provider, [https://www.softchoice.com] to offer two new group purchasing agreements to our members.

VMWARE We have negotiated a minimum guaranteed discount of 10% off list price for new product, and 5% off renewals for VMWare's entire product catalog.

SENTINELONE SentinelOne next-generation/anti-ransomware endpoint security software is offered at a minimum of 20% discount off list price.

For more information, product catalogs, or pricing, please reach out to Lucas Zarnett at Softchoice. 1 888 607 7638 ext. 222639 or Lucas.Zarnett@softchoice.com

PHOTOS BY JEFF BAILEY

Hoonuit
Formerly Atomic Learning

ACTEM believes in providing members with support for your personalized PD and growth. Hoonuit is an online resource where you can find content to fit your learning needs.

TUTORIALS Our "how to" tutorials will walk you through how to do something. These are often used by anyone as a "help test tool" if you need assistance with material or a device.

LEARNING MODULES For teachers/admins for their personal or professional growth. Take what you know a little further to expand your knowledge and experience. Can be used for professional development credit or CPE's earned hours are listed on series page and the Certificate of Completion.

ACTEM has partnered with Hoonuit to offer subscriptions through June 30, 2018 for $25 to our members. If you are interested in a Hoonuit subscription at this special pricing, please contact us: info@actem.org

Google EDU in 90

Google EDU in 90 (that is 90 seconds) is a new video series from Google for Education. Each episode, will focus on an important topic for educators, administrators, and school leaders - things like product updates, new programs, and helpful resources for the classroom. Subscribe to the Google for Education channel at this link; EDU in 90 to make sure you don't miss an episode!

Adobe CLP
(Perpetual) Licensing

A price increase on Adobe's perpetual licensing through ACTEM went into effect this fall. ACTEM's CLP agreement for perpetual licensing was up for renewal on Oct. 1, 2017. ACTEM has renewed the CLP agreement through 2019 with Adobe but this new agreement has resulted in increased pricing on these licenses.

The reason for this change...

ACTEM is selling far fewer Adobe perpetual licenses than in past years.

Most of the software titles from Adobe are now only available in the subscription-based model only.

Very few software titles remain in the perpetual option (Acrobat Pro, PhotoShop Elements, Premier Elements & Lightroom).

Because of the lower volume in license sales through the CLP perpetual program, ACTEM has been moved to a different higher-cost level.

New pricing and part numbers have been updated on ACTEM's website at the following link:http://www.actem.org/software-Adobe

The pricing for Adobe's subscription-based (VIP) licensing has not changed from ACTEM.

STEM Resources from Norwich University
Submitted by Amber Harris

I hope you are doing well. My name is Amber, and I work with premier universities across the country helping distribute their program research, case studies and data visualizations.

I came across your organization's website that speaks on STEM and teacher resources. I work with premier universities across the country helping distribute their program research, case studies and data visualizations.

I wanted to bring your attention to an academic resource from Norwich University that highlights the value of a STEM education and provides K-12 teachers with various lesson plan ideas, projects and curriculum supplements to increase student learning and engagement. Our goal is to provide materials that help STEM teachers make a lasting impact on their students and create future professionals within the STEM industry.

Get access to the full visual guide here: http://graduate.norwich.edu/executive-leadership/guide-to-k-12-stem-resources-for-teachers/

ACTEM & Eduporium Partner Up

ACTEM is pleased to announce a partnership with Eduporium beginning this school year. ACTEM members will receive extra discounts on all products offered by Eduporium through this partnership by using our online portal. All orders will be placed directly with Eduporium through this portal.

ABOUT EDUPORIUM Eduporium is a company with the belief that technology can truly, effectively help children learn and grow. Eduporium

researches and curates innovative technology from all over the globe that is suitable for learning environments. It tests the technology according to an educational rubric (including safety, skills applicability, age appropriateness, educational value), and negotiates with vendors for competitive pricing.

Eduporium is a full-scale partner of the entire school community that views technology as a fundamental literacy in the 21st century. They work directly with teachers, schools, and districts to provide meaningful and discounted technologies that enhance experiential learning and help students develop crucial, modern STEM/STEAM skills. Cooperative partnerships help expand schools' access to STEAM technologies, increase affordability of educational tools, and enables customize tech bundles and activities for students and teachers in all grade levels. Their services include advisory on Makerspace products selection, customizable EdTech bundles, a Lending Library, an Educator Discount, and EdTech grants – all of which are designed to increase student future-readiness and simulate real-world challenges.

ONLINE PORTAL Eduporium is developing an online portal that will be available on the ACTEM website in early December. The online portal will provide a link to the many educational tools, customize tech bundles and activities for students. When ACTEM members use this portal, they will receive extra discounts on Eduporium products over and above the regular educational pricing. Also, feel free to reach out to them directly to have a conversation about the planning you are doing for grants or Makerspace developments. They will help you with suggestions of products, supporting grant documents and the best pricing for which you are eligible.

This portal will support ACTEM's current purchasing program by broadening its selection with tech-rich Maker tools and STEAM/FabLab hardware including 3D printing, CNC machinery, tablets, etc. – all of which are designed to meet evolving learning goals, NGSS standards, and adapt to current and changing educator and student comfort and competence in the area of technology.

The portal will also provide a place to publish and distribute lessons, activities, projects and other materials and to share their learning and questions about the use of these tools as well as a communication platform to enable the more effective use of these tools.

The portal is available to schools, districts, teachers, parents and students. All are invited to use the ACTEM Eduporium portal to purchase quality technology products for themselves or their classroom.

Tech & Learning Live Call for Proposals

Tech & Learning is bringing Tech & Learning Live back to Boston at the Boston Marriott Newton on Friday, April 27, 2018. This year's program will include more hands-on workshops and demonstrations — along with great speakers discussing the hottest topics in Edtech today and plenty of time to network with your peers. If you have valuable information to share with other Edtech leaders, please submit a proposal to present.

Link to submit a proposal: https://www.surveymonkey.com/r/TLLBoston18

The Benefits of Cloud Applications: Education Environments

Let's start with the question… what is "the Cloud"? It's a phrase we hear on a day to day basis, yet the true definition is often unknown. We hear about Cloud Storage, Cloud Applications & Cloud Communications, but many people are unsure of the meaning of the various terms. "The Cloud" usually refers to an offsite Data Center that is run by a 3rd Party Partner. A Data Center is really just an extremely secure building with wall to wall servers, multiple Internet Service Providers & an advanced fire suppression system. In order to be considered a true secured Data Center…the location must obtain an SSAE16 certification through an in depth auditing process. This means that the Data Center meets the standard of high availability that allow the hosted Cloud Applications to provide 99.99% uptime to the various entities that host their technology infrastructure within the Data Center.

Great…now that we've defined the concept referred to as "The Cloud," we can look at various ways that hosted applications can benefit any business, municipality or school. Often times people look to Data Centers to host their voice/data applications for redundancy & disaster recovery purposes. What this means is that if the client's physical location has any type of natural disaster or technology failure…everything is backed up in the Data Center & easy to recover. It is common for data to be backed up in "The Cloud" because the financial impact to purchase the same storage capacity is not as cost effective as hosting the back-ups offsite in a Data Center. Also…Data Centers are extremely scalable, so as demand rises & falls, available capacity can be adjust-

ed. The 3rd Party Partner has already made the significant investment into the redundancy & resiliency of the Data Center, so therefore the client is paying a monthly operating expense to collocate & occupy some of the space on the server racks. Cloud-based applications can be less expensive to operate and maintain than equivalent locally hosted applications.

Many businesses use some type of CRM (Customer Relationship Management) to manage their day to day operations & interact with their clients.

Companies use CRMs to manage and analyze customer interactions and data throughout the customer lifecycle, with the goal of improving business relationships with customers, assisting in customer retention and driving sales growth. CRM systems are designed to compile information on customers across different channels or points of contact between the customer and the company which could include the company's website, telephone, live chat, direct mail, marketing materials and social media. CRM systems can also give customer-facing staff detailed information on customers' personal information, purchase history, buying preferences and concerns. Many CRM vendors are migrating their legacy "premise based" software releases to hosted solutions in a Cloud environment. This helps the end user avoid an expensive upfront cost to purchase the CRM software & the server hardware to install it in. Instead of an upfront Capital Investment, Cloud CRM solutions are paid with a monthly budgeted fee.

An example of a CRM that is

often used in the Education vertical is Insightly. This application is a cloud based education CRM solution that can be customized for the education industry to facilitate prospective student lead management, enrollment planning, recruiting territory management, alumni engagement and donor outreach. Schools need ways to manage the contact information for parents, employees, volunteers, vendors etc., and they often put this information into the cloud for easy storage & access.

Another Cloud application that many schools are choosing to migrate to is the Hosted IP Communication Platform, which in laymen terms is a Phone System that is hosted in the cloud. The benefits of migrating to a Cloud Communications solution include less upfront expense, disaster recovery & resiliency in the event of a Power Outage or hardware failure, collaboration abilities, video abilities, conferencing & mobility. Let's say there is a power outage, & the school still wants their main incoming lines to be routed to cell phones so the caller is not getting an "out of service" message…this is a feature-set provided within the Cloud Communications application. Teachers all need individual voicemail boxes so parents can contact them & leave a message while they are in the classroom, yet seldom have time to sit & check voicemail. With a Cloud Communications solution, the voicemail will be converted into a wave file & sent to the teacher's email account making it more efficient for them to correspond

with the parents of their students. Another benefit of a Cloud Communications solution is that the school will no longer have to pay for traditional phone lines for call traffic. The hosted phone system is delivered via the internet connection (in Maine that would be Network Maine) & it utilizes very little bandwidth.

All Cloud Applications rely on the internet bandwidth that is available at any school, municipality or business. It is crucial to confirm that there is enough bandwidth available to handle the cloud data traffic that the applications depend on. If you are backing up data to the cloud, it is important to have enough upload internet speed to ensure that you are not creating a bottleneck on your network i.

"The Cloud" has become a buzz word that is often used, but seldom understood, so it is important to identify a basic definition. Cloud Applications are the way most platforms are being delivered & will continue to grow as technology evolves. The ability to deploy technology solutions without making large capital investments is very attractive to many IT Directors & Business Decision Makers. We will continue to see this concept grow as bandwidth continues to become less of a commodity & more of a standard business application. The messaging in the end is that people want their technology applications to be proactively monitored & managed without unanticipated cost or hassle. The best way to achieve that is through Cloud Applications.

Simon Brightman,
Senior Account Executive
TPx Communications
(207) 956-6411

win

laugh

me

learn

play

eet

11

Jamf Revises Training Courses

J amf recently revised their training course offerings. These courses are summarized below along with some additional information about each of these new / revised courses.

JAMF 100 COURSE

Jamf Certified Associate

The Jamf 100 course, offered free of charge, is a self-paced introduction of Jamf Pro and is 100 percent online. It explains the foundations of the macOS, iOS and tvOS platforms and provides the fundamental information for IT professionals to manage Apple devices with Jamf Pro, in addition to preparing them for the Jamf 200 course.

TOPICS

• Overview of MacOS, iOS and tvOS management
• Introduction to Apple services related to the Jamf server
• Introduction to the Jamf server
Prerequisites - Basic MacOS, iOS and tvOS familiarity
 - Here is the link to the free Jamf 100 Course: https://www.jamf.com/training/100/

JAMF 200 COURSE

Jamf Certified Tech

For new and existing IT professionals managing Apple devices, the Jamf 200 course (formerly Certified Casper Technician) builds upon the lessons learned in the 100 course and takes a deeper, more hands-on approach to Apple device management with Jamf Pro.

TOPICS

• Further explanation of the Jamf server and Apple Services
• Deployment, security and configuration techniques
• Building and managing content for deployment
Prerequisites: Abundant hands-on experience with MacOS and iOS plus Com-

pletion of the Jamf 100 course is strongly recommended

COURSE INCLUDES:

• Four days of lab-style interaction
• Proctored certification exam during the afternoon of the fourth day
• All hardware and software required for the course
• Printed course materials

JAMF 300 COURSE

Jamf Certified Admin

The Jamf 300 course (formerly Certified Casper Admin) builds on the IT professional's knowledge of Jamf Pro for the management of Apple devices through a workflow and scenario-based examination of the MacOS, iOS and tvOS platforms.

TOPICS

• Installing and maintaining a Jamf server
• Advanced security management
• Advanced management workflows for inventory, license tracking and software deployment
• Automated provisioning of computers and mobile
• Prerequisites - Jamf 200 completion
What's Included:
• Four days of lab-style, hands-on interaction
• Proctored certification exam during the afternoon of the fourth day
• All hardware and software required for the course
• Printed course materials

JAMF 400 COURSE

Jamf Certified Expert

The Jamf 400 course (formerly Certified Casper Expert) strengthens and expands the IT professional's skill set with Jamf Pro and the MacOS, iOS and tvOS platforms through hands-on, challenge-based learning and peer review.

TOPICS

• Infrastructure integration for scalable deployments
• Jamf API usage

• Expert level management workflow
Prerequisites: Jamf 300 completion, Command-line interface and Scripting experience

COURSE INCLUDES:

Four days of lab-style, challenge-based learning and peer review.
All hardware and software required for the course
Printed course materials

    ACTEM offered a couple of Jamf CCT courses (now Jamf 200) over the past year. ACTEM is looking to determine interest in an additional Jamf 200 or possibly even offering the 300 level course this year. These 4-day courses are offered at $2,500 per participant from Jamf with a maximum of 12 attendees. ACTEM has offered these 4-day courses at the discounted price of $2,250 for members and will need a minimum of 10 participants per course to offer any of these Jamf trainings in the future. If you are interested in Jamf courses, please complete the following survey to express your interest in either a Jamf 200 or 300 level courses. Survey Link: https://docs.google.com/forms/d/e/1FAIpQLSdng_kXC3HGzxBlGNcNsoB8fcdbXD-Poy4TayKf9D0qPqA2V7Q/viewform
Here are some Jamf resources available to everyone:

Jamf Blog: https://jamf.it/blog
Admin Guide: https://jamf.it/adminguide
Release Notes: https://jamf.it/releasenotes
Support: https://jamf.it/support | support@jamf.com | 612-216-1296
JamfNation: https://jamf.it/jn
YouTube Channel (playlists) - https://jamf.it/youtube
Jamf Pro Primers: https://jamf.it/primer
Other Resources: https://jamf.it/resources

    For more information or questions please contact: Trey Bachner, Jamf Sr. Systems Engineer, trey.bachner@jamf.com or Benjamin Dennis, Jamf Strategic Account Executive; ben.dennis@jamf.com

We asked Cheryl to reflect upon her stellar career.

ACTEM: Cheryl, how did you first become active with educators beyond your district?

CHERYL: At the 1994 ACTEM Conference, I co-presented with two students, my son Daniel and his classmate Andrea. Our presentation was entitled "25 Ways to Use Kid Pix in the Content Areas." I had the curriculum, and the two students presented to a packed room. I was always willing to share and collaborate. I can't count how many presentations I was involved with at the ACTEM Conferences. Presenting was a way of maintaining and expanding my ties to the technology and learning community. In 2016 Alice Barr and I were lucky to be invited to Sao Paulo, Brazil by Carla Arena to present to their English-speaking teachers. After moving back into the Special Education classroom ten years ago, I presented multiple times at AITA, an assistive technology conference in Florida with Beth Goodwin. We shared our expertise in using digital tools with special education students. Our biggest take-away the first couple of years in Florida was the comments from conference participants about MLTI—"Your school gave you a laptop?" Maine has always been in the forefront of technology and learning.

ACTEM: How did the advent of MLTI influence your career?

CHERYL: In 2001 I was selected to be part of the MLTI project and helped coach and support teachers through the SEED initiative with Jen Van Duesen. Along the way I connected with Deb Barrows, Alice Barr, Mike Nolette, Barbara Greenstone, Tara Maker and Doug Snow from Apple—and SO many more outstanding educators both from Maine and from away. All of the above folks

were real live people meeting face-to-face.

ACTEM: And then you discovered a whole new world via the web?

CHERYL: Somehow I heard about Ed Tech Talk and Dave Cormier, Doug Symington and Jeff Lebow and joined the revolution of online collaboration and the Webheads. One weekend, I joined in an international conversation and once I heard the discussion about how to use digital tools to teach English Language Learners, I was hooked. The world was flattened at that point for me. I jumped into an online class on how to become a Webhead, and then the following year I was co-teaching and a moderator for how to use digital tools with English Language Learners where I co-taught with Carla Arena from Brazil. We used SKYPE as our connection tool and chat rooms. Through that experience and Ed Tech Talk, I met another online friend, Susan Ettenheim, and we took a class to learn how to webcast and publish our podcasts. After Susan and I took the class, we co-taught the Webcasting class to several international students. In 2006, just by chance, but with the planning and oversight of Jen Wagner, Sharon Peters and Vicki Davis, the four of us started the Women of Web 2.0. We published a weekly podcasts about using digital tools in the classroom and we introduced the world to many incredible educators.

ACTEM: You have collaborated with educators throughout the globe, but a decade ago you had a wonderful collaboration with a colleague just down the hall at Wells Elementary, the late Bob Sprankle.

CHERYL: I was lucky to teach with Bob Sprankle in Wells, where he started Room 208 Podcast. Bob convinced me to begin blogging. Tech Learning began publishing

my blog weekly at their magazine site. Bob Sprankle was a creative and brilliant educator and after we met Dave Warlick and Wes Fryer, I retired from Women of Web 2.0 to be more local and collaborative with folks from Maine and New England. Alice Barr, Bob and I were asked to present at K12online Conference. Once we managed the keynote, and the SEED grant ran out, the three of us started a weekly podcast called SEEDLINGS. Secretly, we just did not want to disband because we knew how valuable our weekly connections were and we challenged each other to learn more and share more. Our favorite podcasts were the occasional SNOW DAY PODCASTS! Totally unscripted, many laughs and we were always podcasting on snow days, unless we all lost power!

ACTEM: Do you have a favorite memory of your journey with educational technology?

CHERYL: My favorite and most surprising meeting was a woman from Africa whom I met at the ISTE conference in Atlanta. She came up to me because she recognized my voice. "I listen to you each week. I teach in a rural school in Africa and I am the only one using technology. You are my team. Thank you!" I was speechless!

ACTEM: What's next for Cheryl Oakes?

CHERYL: My plans are to ski 100 days this winter. I will still maintain my ties to technology and the learning community. Next year I plan to return to the ACTEM conference as a volunteer.

OCTOBER
Save the Date
11-12
ACTEM 2018
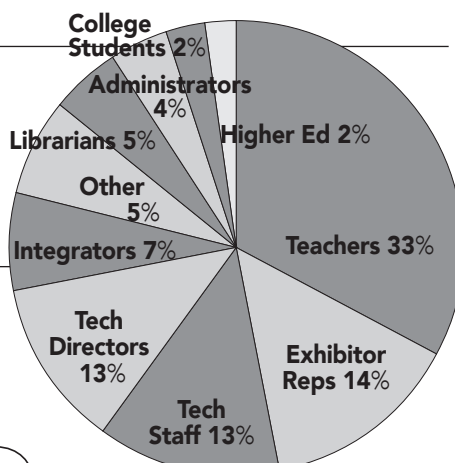Conference

actem 2017 by the numbers

EXHIBITORS:
49 companies with
107 representatives

PRESENTERS: **108**
with **158** workshop sessions

ATTENDANCE
Thursday **434**
Friday **584**

Conference Survey
303 responses

Sessions attended were relevant
94.4% Agree/Strongly Agree

I will apply what I have learned to my work
91.4% Agree/ Strongly Agree

My experience was positive
97.3% Agree /Strongly Agree

ATTENDEES

College Students 2%
Administrators 4%
Librarians 5%
Higher Ed 2%
Other 5%
Integrators 7%
Teachers 33%
Tech Directors 13%
Exhibitor Reps 14%
Tech Staff 13%

COMMENTS FROM THE SURVEY

"I continue to be impressed with the quality of the keynote speakers ACTEM brings to Maine each year. That is absolutely key to the success of the conference. Keep doing it!"

"This is my favorite conference to attend every year. I love the atmosphere, the new ideas and connections made between all the educators who are passionate about incorporating technology into the classroom."

"I have not been to ACTEM in a couple of years and really really liked the format of Keynotes in the bleachers as well as the door prizes...I brought all 23 members of my staff, we did a round table on Monday and everyone had at least one take aways. THANK YOU!"
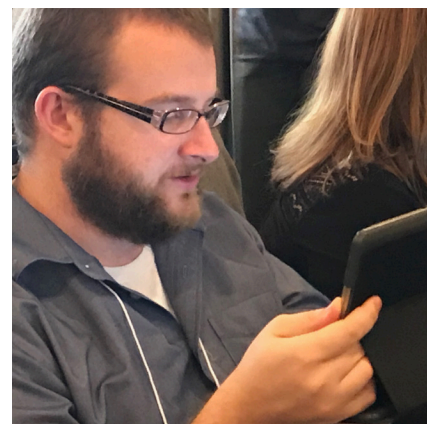
"Loved all of it! It fed my brain."

OCTOBER
Save the Date
11-12
ACTEM 2018 Conference

Leveraging Learning 2017 Shows iPad Classroom Use has Matured
By The LL2018 Planning Committee

The Auburn School Department hosted their 7th Leveraging Learning Institute at the Hilton Garden Inn Riverwatch on November 1 & 2, 2017. Since the start of their early elementary iPad implementation in 2011, Auburn has taken a leadership role in convening educators from across Maine and well beyond the state's boundaries to reflect on best practices for iPad in the elementary grades.

"Leveraging Learning has matured through the years," says Auburn Superintendent Katy Grondin. "In the first couple of years folks simply needed to understand how the device worked and which were the best apps for their students. And some folks were attending to see if iPad really did have a place in the early elementary classroom. But now they are ready to think more deeply about both why and how they are using iPad in their classrooms. They want to know how to capture learners' thinking in order to best customize instruction."

With a theme of, "Beyond the Apps" - Effective models of iPad use in the classroom," the planning com-

mittee in Auburn made clear that the "list of apps" are no longer enough - rather what is needed by teachers who have brought iPad into their classrooms are thoughtful models of effective iPad use. They want to learn about how to more effectively leverage the capabilities of iPad to create durable digital evidence of learning and share that content with teachers, peers, and parents. It is now widely understood that young learners can effectively use iPad to create this content, meaning that sessions with titles like, "Promoting Mathematical Discourse In A Way That Allows All Students To Have A Voice," "Use iPads as Windows Into Your Readers' Minds," and "Teacher Feedback Moves Student Learning" filled the agenda, which can be seen at http://institute2017.auburnschl.edu/Agenda.html

A well-received panel discussion shared updates around the MoMEntum Project (http://maine.gov/doe/lttt/literacy/index.html) which in its second year has aligned the power of iPad alongside the literacy expertise of the Maine Department of Education Early Literacy Team. This was a classic example of what participants were looking for, and found. They arrived asking, "How can the power of iPad be leveraged in direct support of my learners' needs?"

Many participants took advantage of the two "Virtual Classroom Visits" offered during the institute. These sessions provided participants the opportunity to virtually (via FaceTime) step into a classroom where the teacher has successfully differentiated learning in a 1:1 iPad environment. They had a live video connection to a classroom where the teacher and students were going about their "normal" day. Participants were able to ask questions about what they were observing as well as being able to talk with the teacher when she joined them back at the Hilton Garden Inn after the 20 - 30 minute virtual visit.

The power of the "human network" in moving participants' use of iPad forward was also a focus during the two days, with an iTunes U course, a todaysmeet.com backchannel, and live-tweeting of sessions by a team of Auburn Middle School students (#levlearn) proving the power of everyone working together to learn.

Apple Distinguished Educator-Katharine Hale (https://teachitivity.wordpress.com), from Arlington, VA, joined presenters from across Maine and beyond in sharing the models of use participants were looking for. In her closing general session Katharine explained more of why she uses iPads and shared stories from her classroom - how iPads impacted both their success in school as well as their identity as a learner. She shared how every student eventually reaches the point where they choose when and how they want to use their iPad. She has seen that the choice in knowing when to use the technology is the game changer; not just having access.

With the success of Leveraging Learning 2017, the Planning Committee has already begun work towards next year. So mark your calendars for November 8 & 9, and we'll see you in Auburn at Leveraging Learning 2018.
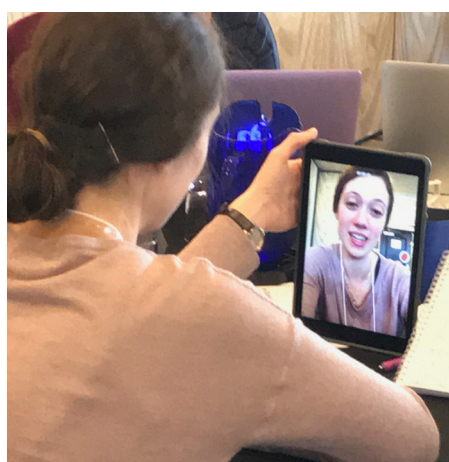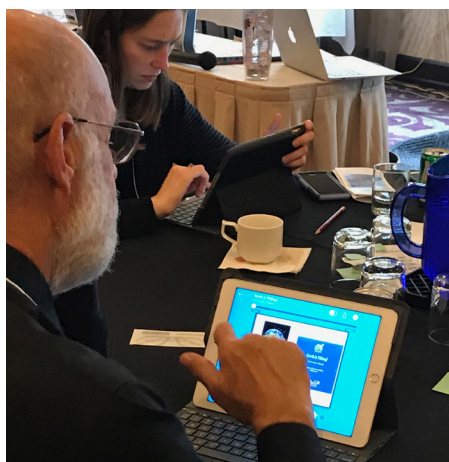
President's Message
(from cover)

opportunity to hear Joe speak at the ISTE conference in San Antonio. When he was done, we looked at each other, and almost at the same time, said we have to have him keynote at ACTEM. For more information on Joe, go to http://www.jsanfelippo.com/. With Joe as a keynote, I am hoping to put more administrators in those seats at the conference next year. Mark your calendar for October 11 & 12, 2018 and start working with your administrators now!

The 2nd annual spring leadership conference is Tuesday, April 24 at the Holiday Inn By the Bay in Portland. Last year's spring conference on wireless networking was very well received. This year the conference will focus on security. See page 3 for more information. Cost for attendees is $30 which will include continental breakfast, snacks, lunch, and parking. Mark your calendar for April 24!

One other conference worth considering is ISTE. If you have never been to a national conference, it is well worth the effort. In 2018 the conference is in Chicago. Too far to drive, but a very short flight and easy to get a direct flight. ACTEM has a hotel room block if you are interested. We don't get a discount, but it is great to have all Maine attendees in the same hotel. If have questions, feel free to email me. Hope to see you at a future conference!

Dennis Crowe

Upcoming 31 Events

December 2-3 ·
Google Certification Bootcamp L1 – Educators · https://www.edtechteam.com/bootcamps · Gorham Municipal Center, Gorham, ME

Dec. 7 *Blended Learning Leaders Summit* - Middleborough, MA

February 1-2 *LearnLaunch2018* - Hynes Convention Center, Boston

March 3 *EdCamp Maine* - Waynflete School

March 9 *MassCUE Spring Conference -* College of the Holy Cross

March 12-15, 2018 · *CoSN Annual Conference* · https://cosnconference.org · Washington DC

April 5-7, 2018 · *2018 Blended and Personalized Learning Conference* · http://blendedlearningconference.com/ · Providence, RI

April 24, 2018 · *ACTEM Spring Leadership Conference*, Holiday Inn by the Bay, Portland, ME

April 27, 2018 · *Tech & Learning Live@ Boston 2018* · http://www.techlearning.com/live/overview/Boston/46 · Boston Marriott, Newton, MA

June 24-27, 2018 · *ISTE 2018* · https://conference.iste.org/2018 · Chicago, IL

Become an Apple Teacher [NEW] - http://www.apple.com/education/teachers/

Google Teacher Certifications - https://edutrainingcenter.withgoogle.com/certification

edcamp WESTERN MAINE

Coming soon! Watch for notices on the actem website and the actemlist. Plans are for late January or early February, we're still locking down an exact date.