JUNE 2019

THE CONNECTED
EDUCATOR
CONNECTING TECHNOLOGY USING EDUCATORS IN MAINE

Left to right: Michael Arsenault: Vice-President, Dennis Crowe: Outgoing President, Andrew Wallace: Outgoing Treasurer, Will Backman: President, Gary Lanoie: Executive Director, *in front;* Deb White: Secretary.

Changing of the Guard

ACTEM recently held the annual business meeting which happens during the month of May of each year. Every three years, as part of the regular business ACTEM elects new officers to serve a 3-year term.

Michael Richards, chair of the nominating committee presented a slate of officers for 2019-21 that included:

Will Backman – President
Mike Arsenault – Vice President
Deborah White – Secretary
Scott Nason – Treasurer

This slate of officers was presented at the annual business meeting and a call for other nominations was requested. No other nominations were offered so the Presidents called for a vote for the presented slate of officers. The vote was unanimous!

Thank you and congratulations to the new ACTEM Officers.

ANDREW WALLACE
Pictured on the bottom left at the May 13th meeting, ACTEM recognized Andy Wallace as our longest serving Treasurer. Andy served as the ACTEM Treasurer from 2008-2019 – Eleven years!! Thank you, Andy, for your long-term service that contributed to the growth and prosperity of ACTEM.

A message about our past president

Dennis Crowe completed his 3-year term as ACTEM President at the May 13th business meeting. Dennis is an educator with 38 years of experience in Maine schools. He started his career as a math teacher in the Arundel schools. In 1986 Dennis was hired as a Computer Education Teacher at Bonny Eagle Junior High School. In 1999 Dennis became the Director of Computer Technology for MSAD 6. In February 2008 Dennis moved to hometown (Gorham School Department and

became the Director of Technology. He still serves in this position today.

In 2017 Dennis earned the CETL (Certified Education Technology Leader). Dennis is the first and currently only Technology Leader in Maine to achieve the CETL National Certification. Keith Krueger, the Chief Executive Officer of CoSN states;

"Earning the Certified Education Technology Leader certification demonstrates a commitment to bringing 21st-century learning to our nation's schools."

actem BUSINESS MEETINGS
ACTEM meeting for 2019-20 will move to THURSDAYS to align with METDA meetings. ACTEM Business meeting will occur in the mornings and METDA meeting will be in the afternoon in room 103 of the Cross Office Building, Augusta, ME.

September 19, 2019
December 12, 2019
March 12, 2020
May 21, 2020

Message About our President *(Cont'd from page 1)*

Dennis also has the unique distinction of attending over 20 NECC/ISTE conferences. He generally works his budget magic to also get staff in his district to attend these conferences as well. Six Gorham School staff members will be attending ISTE 2019 in Philadelphia this June. Dennis (the "Bus Moose) is coordinating the ACTEM bus to Philadelphia for ISTE 2019.

Dennis had previously served as the New England ISTE President before serving as ACTEM's President. He always tells the story of leaving a NEISTE meeting to go to the men's room and he returned to be elected as the new President. Dennis never left an ACTEM meeting for any reason, especially on May 13th.

During the Dennis Crowe ACTEM Presidency, he instituted practices and policies to better reach all the sub-groups of ACTEM members. Some of these items included:
- Lunch at Technology Group meeting (Pizza Lunch) to reach the Technicians
- Spring Leadership Conference with a focus on Technology Leaders in Maine
- "Bring your Administrator" to the ACTEM conference for FREE for Administrator group
- Now all district Institutional memberships can bring an administrator to the ACTEM conference
- Dennis assisted in bringing some top-notch keynote speakers to the ACTEM Conference. During his attendance at ISTE and other conferences, Dennis is always looking for quality keynotes speaker to bring to Maine.
- Dennis & the ACTEM Board were key in last fall's session at MPA specifically for Superintendent's with our keynote speaker - Joe Sanfelippo

ACTEM presented Dennis Crowe with a plaque and laptop computer for his years of service to the organization. The plaques states: "In recognition of your outstanding leadership which enabled the prosperous growth of ACTEM"

Special Messages for Dennis…

" I have always been in awe of Dennis' ability to wear a variety of hats. Many in ACTEM may not realize that among numerous other talents, Dennis has officiated hundreds of high school and college soccer, basketball and softball games through the years.
I remember years ago, at a Brattleboro, VT restaurant with about 15 NEISTE members around a large table, the waitress approached Dennis with his check. While pointing at me, Dennis declared in his customary booming voice, 'My dad is paying for me.' The accompanied laughter caught the attention of those in earshot, as many of his humorous remarks have through the years.
ACTEM has truly been the beneficiary of Dennis' bounding energy, dedication to Maine education, quick wit and an ever-positive approach to life."
~From Craig Dickinson, ACTEM Business Manager 2006-12

"I'm sorry I can't be there today (May 13th business meeting) to congratulate you in person on completing your term as ACTEM President. First and foremost, thank you for ALL your years of service to ACTEM. ACTEM's membership is made up of talented and passionate individuals who naturally collaborate, educate, and mentor. You exemplify these qualities, and you do it with great humor be it with moose antlers, ISTE bus supervision, or your jabs at our lack of paved roads and traffic lights up here in "South Canada". Give my best to the ACTEM crew, and Dunkin is on me the next time I'm in Gorham!"
~From David Bridges, ACTEM Vice-President 2012-16

GEARING UP FOR THE
#actem2019 FALL CONFERENCE!

As we are writing this article it is #TeacherAppreciationWeek and we hope you were recognized at your school. The ACTEM Conference Committee has been working behind the scenes getting ready for the 32nd Annual Fall Conference! Maine the Way Learning Should Be! We've had over 120 proposal submissions. We are reading through all the proposals and will be notifying speakers in the first full week in June. Please put the conference on your calendar: October 10 and 11, 2019. It will be right before Maine celebrates Indigenous People Day. So, a long weekend ready for new learning, collaboration, as well as rest and relaxation!

Again as in the past, we will offer multiple lunch sessions on Friday. As you register for the conference, be sure to sign up for a box lunch and continue your learning and conversations with lunch sessions. Also available are vegetarian and gluten-free box lunch options.

Enjoy the final stretch into the end of the school year and stay tuned to our Twitter feed for #ACTEM2019 updates and registration information. Consider bringing a colleague to share in your new learning.

Electronic Recycling for Maine Schools

ACTEM members recently learned through the listserve that Ewaste Recycling Solutions of Auburn recently closed (April 2019). Many of Maine schools used them for recycling services.

Information Technology Exchange (ITE) better known for its PCs for MAINE program - recently acquired Maine's only certified data security and electronics recycling service named eWaste Alternatives - also a nonprofit - and they contacted ACTEM about the possibility of providing Maine schools with, if not totally free - certainly almost free electronics recycling.

This comes at an important time as the only other credible recycling option left to our schools is a non-certified company out of New Hampshire - the costs to our schools are potentially going to go through the roof.

Here is some information on eWaste Alternatives (EWA), a recycling firm in Maine that can handle your school's recycling needs.

MAINE'S ONLY CERTIFIED RECYCLER!
eWaste Alternative can manage your schools surplus IT using our sustainable practices model. EWA is Maine's only licensed and certified data security and electronics reuse and recycling service.
• EWA is a nonprofit that reuses corporate surplus/unwanted tech to help individuals and families achieve their educational and employment goals.
• Unlike other E-waste disposal services - which are designed for consumer waste at transfer stations – this program is designed to meet the data security, environmental and compliance requirements of the corporate sector.
• Our focus on reuse reduces your actual 'waste' and recycling fees more than 35%. Fees for the remaining waste and data security work are free or minimal when they apply.
• Think of us as a certified extension of your IT department that specializes in data security, asset recording, reuse and recycling best practices
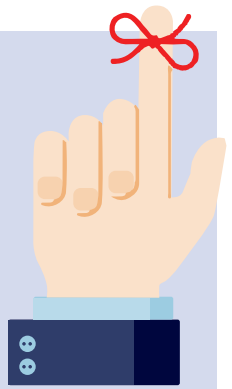
eWaste Alternatives caters to the business communities desire to cut costs and support the community WITHOUT compromising service quality, compliance or security.

eWaste Alternatives is owned and operated by the Information Technology Exchange, a 501(C)3 nonprofit corporation whose purpose is to increase technology access and literacy by on-boarding people into the digital economy.

Whatever your interest may be - data security, cost, the environment, service quality, compliance, waste diversion through reuse diversion - eWaste

ACTEM 2019 FALL KEYNOTES

Michael Cohen, The Tech Rabbi

Michael Cohen, known as The Tech Rabbi, is a designer and technologist turned educator. As a speaker, writer and creativity instigator, he's on a mission to help young people develop the creative confidence they need to become challenge seekers and solution designers. He currently serves as the director of innovation at Yeshiva University of Los Angeles Boys School (YULA), and creator of the Schlesinger STEAM and Entrepreneurship Center.

He works with schools, institutions and businesses to help them create or refine opportunities for students to leverage technology, media creation and digital age skills in ways that foster inquiry and the drive to solve the complex challenges of our global society.

Cohen shares his story of design and creativity through social media, keynote addresses and featured talks on international stages, including ISTE, SXSW EDU, Congreo Mexico, EdTechTeacher Summits and Apple Education events.

He is the author of *Educated By Design*, which outlines his principles for revealing and nurturing our innate creative courage and capacity. Michael is also an Apple Distinguished Educator, Google Certified Trainer, Adobe Certified Trainer and has been ranked as one of today's top 50 edtech influencers. Thank you to Apple, Inc as a sponsor of The Tech Rabbi keynote at ACTEM 2019.

Thomas C. Murray , Director of Innovation for Future Ready Schools Tom serves as the Director of Innovation for Future Ready Schools, a project of the Alliance for Excellent Education, located in Washington, D.C. He has worked alongside the US Senate, the White House, the US Department of Education, state departments of education, and school districts throughout the country to implement student-centered, personalized learning while helping to lead Future Ready Schools and Digital Learning Day.

Prior to moving to his role in Washington, D.C., Murray's experiences in K–12 digital leadership included implementing a 1:1 program, BYOD, blended learning, and a K–12 cyber school, where he served as the director of technology and cyber education for the nationally recognized Quakertown Community School District in Bucks County, PA. A former school principal and teacher, Murray is passionate about creating cultures of innovation where teachers are empowered to create the types of learning experiences today's modern learners need to thrive in their future.

Murray is a regular featured conference keynote speaker around the country, was named one of "20 to Watch" by NSBA, the "National/ Global EdTech Leader of the Year" in 2018, the "Education Thought Leader of the Year" in 2017, and the "Education Policy Person of the Year" by the Academy of Arts and Sciences in 2015. His best-selling book, *Learning Transformed*, was released in 2017 with ASCD.

Learning Transformed
by Eric, C. Sheninger and Thomas C. Murray
Book Review by Barbara Greenstone

No one can deny that our schools are not meeting the needs of all students, and in this fast-changing world, much of what we do is often ineffective or irrelevant. So much of how we run our schools is based on tradition and our collective memory of how we ourselves were schooled. We know we need to change, but schools are complex institutions and it's hard to know where to begin.

In Learning Transformed: 8 Keys to Designing Tomorrow's Schools, Today, Eric Sheninger and Thomas Murray provide a road map for change that's both innovative and practical. The primary audience for this book is school leaders but, as the authors suggest, meaningful change comes from "leaders by action" rather than "leaders by title" and they can be anyone in the school community.

The authors devote a chapter to each of their eight identified keys to designing (or redesigning) schools. Each chapter breaks down the big idea (the key) into its elements and provides a research-based rationale for the advice and action steps given. Chapters end with an "Innovative Practices in Action" section where school leaders from around the country describe how they succeeded in bringing substantial change to their buildings or districts.

The chapter on leadership and culture contains many of the themes that run
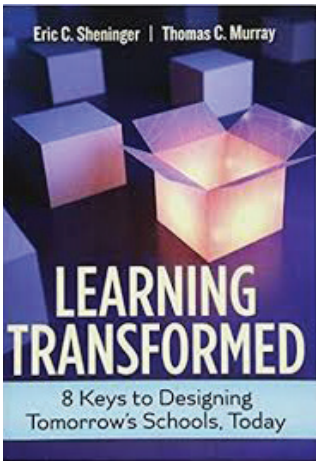
ACTEM Future Conference Dates	ACTEM 2019 October 10-11, 2019	SPRING LEADERSHIP 2020 Conference May 6, 2020	ACTEM 2020 Oct. 15-16, 2020	ACTEM 2021 Oct. 14-15, 2021

LEARNING TRANSFORMED
8 Keys to Designing Tomorrow's Schools, Today
Eric C. Sheninger | Thomas C. Murray

through any discussion of how to turn vision into action: communicating, building relationships, delegating (but not too much), modeling, reflecting, etc. We've heard these ideas before, but they bear repeating. Educational technology is discussed throughout the book, including a whole chapter on leveraging technology with advice for building an infrastructure and addressing some of the issues that we in Maine have struggled with since MLTI brought one-to-one computing to every middle school in the state.

The chapter titled "Designing Learner Centered Spaces" may be the most interesting and valuable in the book. Often when we think of school reform, we pay little attention to the effect the physical space can have on learning. This chapter cites research about school environments and gives practical tips for creating inviting and flexible learning spaces and avoiding what the authors call the "cemetery effect" where desks are in rows with the teacher in front. The theme of this chapter is that learning is not confined to the traditional classroom, and we can design physical and virtual spaces that provide students and teachers with variety and choice.

If you only have time for one chapter of this book, read Chapter 5, "Making Professional Learning Personal." I have been on both the giving and receiving end of ineffective professional development practices, so this chapter resonated with me. Much of what passes for professional learning opportunities for teachers is a just a series of one-size-fits-all sessions where an expert is brought in to tell teachers how to do it better. It may or may not be relevant to an individual teacher's practice and seldom has any lasting effect. Where teachers are given choice, their "development" is measured by the amount of time spent in coursework or in-service classes rather than by how they improve their practice. This chapter promotes a personalized plan for professional learning that allows teachers to combine a variety of learning experiences including personal and professional networks, peer observations, coaching, Edcamps, and other formal and informal opportunities. Professional learning should be embedded in the culture of the school so it's ongoing and expected, and its success is measured by outcomes, not hours.

The authors are experienced educators and administrators with extensive backgrounds in educational technology, and this book reflects their research and expertise, providing practical ideas for designing better schools for today and for the future. Thomas Murray will be a keynote speaker and presenter at the 2019 ACTEM Conference. Come hear him on Thursday, October 10 to learn more about how these 8 keys can help you and your school community transform learning.

In the next Connected Educator, Barbara Greenstone will review Micheal Cohen's book, Educated By Design.

TheTechRabbi

BIG DEAL MEDIA

Big Deal Media saves educators hours of research and thousands of dollars while identifying top-quality resources and OERs for schools and classrooms. It is a content-rich collection of trusted print and electronic publications that offer the information and tools K-12 educators need-all vetted through the prism of the curriculum. It consistently delivers wish lists of resources and funding opportunities, and has done so since 1995.

Big Deal Media publications provide timely, relevant, and reliable resources in a rapidly changing educational environment, created with insight and attention to detail by seasoned educational publishing professionals and practicing K-12 educators.

Check it out at https://www.bigdealbook.com and sign up for their K-12 Technology newsletter.

Providing Technology Access Since 2002
Thousands Served
PC's for MAINE

eWaste (Continued from page 5)

Alternatives can help you. As of December 17th, 2018, eWaste Alternatives Program became part of the Information Technology Exchange and PCs for MAINE program! The Information Technology Exchange (ITE) is a nonprofit organization

better known for its PCs for MAINE technology access and literacy program throughout the state.
• eWaste Alternatives: www.ewastealternatives.org
• PCs for MAINE :www.pcsformaine.org
• Information Technology Exchange (ITE): www.itec3.org
Contact cmartin@itec3.org for more info.

ACTEM-ISTE BUS FULL

ACTEM had an overwhelming response to the ACTEM-ISTE bus to Philadelphia, PA for the 2019 Conference. The bus is full at the time of publication with 50 people registered and five on a wait-list. It was great to see such interest and also great that ACTEM could help Maine educators get to this premier national/international conference.

WHAT'S A BUS MOOSE?

On a bus trip with a group as active and excitable as the ACTEM membership, it's important to make sure there is someone who's in charge of keeping us all organized and ready for fun. Making sure that things run smoothly and that everyone has what they need is a big job, a job for an experienced bus moose. This year, once again, Dennis Crow has generously offered his skills to fill this need. He's got the experience and the antlers...stay posted for updates about what you can look forwatd to on the bus trip to ISTE 2019!

Maine and ACTEM Members Presenting at ISTE 2019

Working Together for Holistic Phenomenon-based Classrooms *Jonathan Jarc, Leah LaCrosse, Richard Perry & Julie Willcott from Kennebec Valley Community College.* Change is needed in how education is delivered. Phenomenon-based learning is a holistic approach that begins with teaching by topics, builds on natural curiosity, and incorporates digital technology. Our approach builds on phenomenon-based learning with collaboration across diverse content areas and between geographically dispersed schools.

More Stupid Ideas in Edtech (and Why You Should Totally Do Them) *Adam Bellow, Leo Brehm, Steve Dembo, Jaime Donally, Sylvia Martinez & Andrew Wallace from South Portland School District.* There is no shortage of trendy ideas in edtech, and some of them are truly stupid. However, with the right perspective and implementation, you may be surprised just how powerful they can be! We'll explore weird, ridiculous and stupidly awesome trends and how they can make your classroom more awesome!

Capture, Create and (Pod)Cast: Gamifying the ISTE Student Standards *Meredith Allen & Audrey O'Clair from Soundtrap.* Are you part of the podcast movement? Are you interested in using podcasting across all subjects, ages and abilities? Join us as we explore, brainstorm and crowdsource ideas for classroom implementation. And we're going to gamify the experience for you! Come hungry to learn, share and network.

We Be Jammin' - Using Jamboard in the Classroom Eric Lawson & Tom Rup *From the York School Department.* Google Jamboard is quickly becoming a hot commodity in the digital whiteboard space. You don't need a physical board, just a touch device and Internet and you too can start Jammin' with Google Jamboard.

MAKE Writing Matter: Using Making to Spark Literacy *Megan Blakemore from Dyer Elementary School in South Portland.* Don't just make, integrate! Design thinking and making don't need to stand alone; they can be integrated into literacy activities. Participants will learn how to integrate different types of writing (persuasive, explanatory, narrative) into the different stages of the design process.

Outside The Box Collaborations *Jacqueline Liesch, Heather Lister, Elissa Malespina, Nikki D Robertson, Kathy Schmidt & Andrew Wallace from South Portland Schools.* People's Choice winner. One of the main tenets of being a librarian is collaborating with others, but let's admit it; we all get stuck in a rut and end up collaborating with the same few educators from the same disciplines over and over again. Learn from a panel of librarians their favorite collaborations.

CoSN 2019 Driving K-12 Innovation: *Accelerators Report*

CoSN (the Consortium for School Networking) continues its commitment to sharing high-quality trend reports that support the use of emerging technology in K-12 education to transform learning through the new Driving K-12 Innovation series. In this initiative, a global advisory board of K-12 leaders, practitioners, and changemakers engages in a several month discourse about the major themes driving, hindering, and enabling teaching and learning innovation at schools. This initiative addresses a key challenge for educational technology leaders: making smart, strategic decisions to transform learning experiences, environments, and preparing students to thrive in a digital world.

Driving K-12 Innovation: Accelerators is the second in the 2019 CoSN series focusing on challenges and opportunities to digital transformation. Accelerators are megatrends that drive the needs and skills expected of students and educators. Some disruptive shifts are moving rapidly (even suddenly), while others are happening so gradually that their effects may not be felt for years.

The accelerators, which were identified recently by an international advisory board are as follows:
• Learners as Creators
• Data-Driven Practices
• Personalization
• Design Thinking
• Building Capacity of Human Leaders

A one-page "Key Findings" summary with details on each

(Continued on page 15)

Learners as Creators*

Data-Driven Practices

Personalization*

Design Thinking

Building the Capacity of Human Leaders

* Featured in this *Driving K–12 Innovation / 2019 Accelerators* report

Top 5 ACCELERATORS

1 The idea that students don't have to wait to graduate to change the world is motivating schools to embrace real-world learning experiences that promote student-generated ideas and solutions.

2 Schools are increasingly leveraging data about the student experience, measuring engagement and skills acquisition to inform decisions about curriculum, hiring, technology investments and more.

3 Just as the consumer sector has exploded with new ways to customize user experiences, products and recommendations, schools are finding ways to provide individualized learning pathways and promote student voice, choice and autonomy.

4 Design thinking is a strategy for creatively exploring and ultimately formulating solutions to challenges based on empathy and iterative processes.

5 When leaders take actions to strengthen the professional community of their schools, providing and incentivizing opportunities for leaders and educators to learn and master new skills, it opens the door to innovative practices and approaches that can further student engagement.

CoSN's popular EdTechNext reports align with the reports in the *Driving K–12 Innovation* series. Developed by CoSN's Emerging Technologies Committee, member-only *EdTechNext* reports provide deeper coverage of a top five hurdle, accelerator or tech enabler, including emerging technologies, best practices, guidance and tips for district and educational technology leaders.

The Heart of Accessibility is Universal

John Brandt, Maine CITE
Hillary Goldthwait-Fowles, PhD. ATP
RSU 21

Assistive Technology (AT), Accessible Educational Materials (AEM) and Universal Design for Learning (UDL) are more than just buzzwords. Alone, each are powerful supports that can benefit learners with disabilities in K-12 and Higher Education. However, when integrated in a holistic approach to learning in these environments, they are a powerful combination that promotes independence, equity, and access in ways that make sense for the learner. How are there ways that Assistive Technology, AEM, and UDL can and should be leveraged to meet the needs of all learners?

Universal Design for Learning (UDL) is a framework developed by CAST (cast.org) that serves as

foundational curriculum, instructional, and environmental design practices that pro actively identifies and removes barriers to learning by providing multiple means of representation, action and expression, and engagement. The guidelines specifically refer to the use of Assistive Technology (AT) and Accessible Educational Materials (AEM) to meet the needs of all learners.

1:1 Initiatives help support the UDL guidelines when leveraged intentionally. For example, in a whole group reading lesson, there should be accessible options for students with disabilities, who use assistive technology, regarding the format of the educational materials. For example, a student with vision impairments, who cannot access printed words on paper, will need the educational materials in an alternative format

such as audio, digital or braille.

Similarly, UDL guidelines calls for learners to have the opportunity to demonstrate what they know using a method or format that is consistent with their needs, for example, instead of requiring the student to write a report on paper, the student may create a podcast or movie to express what they know. Students with disabilities may also need to use AT services and features such as auto-dictation, word prediction or text to speech to complete assignments and support their learning.

1:1 technologies support the flexible means towards meeting learning outcomes that the UDL framework requires. Technology, with robust accessibility features, is a great equalizer.

Providing options, choice, and flexibility throughout the learning process through the UDL framework helps support the needs of ALL learners. UDL promotes and supports inclusive learning. Using UDL with 1:1 is a truly powerful combination that should be in every classroom.

FOR MORE INFORMATION

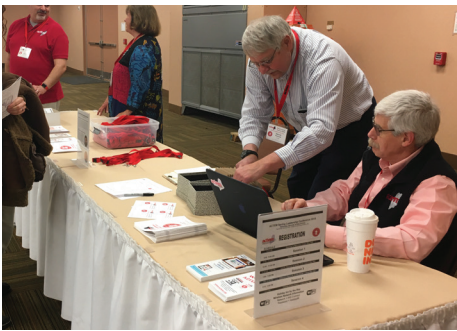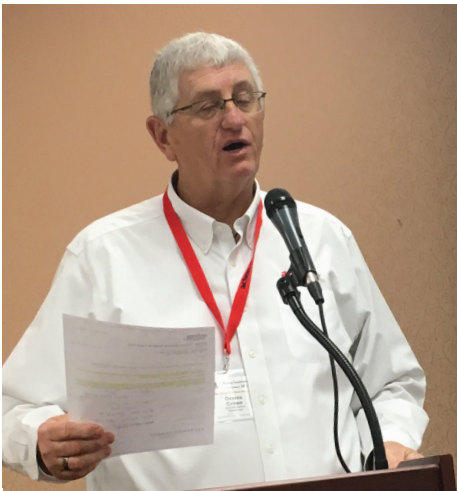**UDL Guidelines:** http://udlguidelines.cast.org

Maine CITE: http://mainecite.org

UDL At A Glance Maine: https://www.parentcenterhub.org/udl-at-a-glance-video/

AEM Program: https://maine-aim.org/
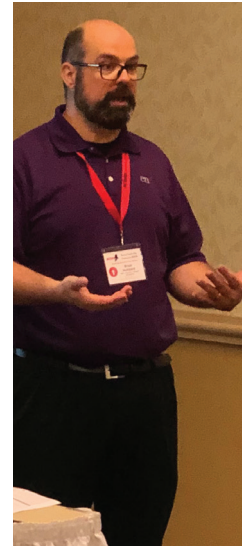
AEM Center: http://aem.cast.org/

SPRING LEADE

ACTEM hosted it's third Spring Leadership conference on Wednesday, April 24, 2019 at the Holiday Inn by the Bay in Portland, ME. The conference attracted over 100 technology leaders from Maine Schools, 18 exhibitor and over 30 exhibitor representatives. This theme focused on Networks, Security and Data Privacy. The conference seemed to have been a huge success according to our attendees.

The keynote by Eric Butash and Michael Klein of the Highlander Institute featured the topic "Digital Privacy: To Protect or Not to Protect, That is the Question."

Digital privacy and security involve a variety of components, from social media to messaging apps, ISPs to app developers, cloud providers and hardware; and government agencies. They all have a role in collecting, storing, and sharing your information, for many different reasons. However, when you go down the rabbit hole to protect your data and limit the impact of these entities, users have significant decisions (and sacrifices) to make. Eric & Michael shared stories and offered strategies for navigating tough choices and decisions

RSHIP CONFERENCE RECAP

around digital privacy and security.

If you missed the conference, the keynote was recorded, thanks to Riley Bridges of RSU 19, and is available on-line on ACTEM website at: https://drive.google.com/file/d/1mK939jUHG4HZ0c-5QgV3Yeoy0SwH2qETj/view

Some general comments from at-tendees in the conference Survey:
• Great job and a great deal for the money!
• This was a very helpful day. I found all 4 sessions I attended to be useful, and

the keynote was informative as well
• Best ACTEM event I have attended in 10 years.
• Keynote rocked my world in every way. I wish it had been longer.
• Technology leadership needs to have an increased awareness of information security, and strategies for providing it under a limited budget. This could be a good theme for next year.
• All around excellent job! Thank you!
• Thanks for continuing to put on events like this.

Summer Technology Institute at USM

A reminder that registration https://docs.google.com/forms/d/e/1FAIpQLSd-k2PSZj9pnJpRaS8xwy-cLe5x4tQdsXPG988h8_0vUaX-oxK9Q/viewform for the Summer Technology Institute is still open.

For three days in Portland, August 6-8, learn and collaborate with Maine educators Dan Ryder, Megan Blakemore, Jeff Bailey, Allison Fluet and more on topics such as amplifying impact and voice, empowering young learners, student centered classrooms, and problem solving spaces. Earn graduate credit or attended for professional development.

For more information: https://etech207.com/institute/su19/

Looking forward to learning with many of you this summer.

AppsEvents
Biddeford Summit
Featuring Google for Education

By Richard Dutremble

The Google Summit is back at Biddeford High School this summer! Don't miss this stellar professional development for Google training on August 6, 7 & 8th! Perfect PD & timing for everyone at your school to make 2019-2020 the BEST year EVER! :) A Google Educator Level 1 and a Level 2 Bootcamp <http://maine.appsevents.com> will be held on August 6th as a separate 'presummit workshop.' This skills based training will consist of a series of hands on activities applying G Suite tools to an authentic scenario facilitated by a highly qualified Google Certified Trainer.

The Maine Google Summit held on August 7-8, is offered by AppsEvents <http://www.appsevents.com> & the Biddeford School District. Local and global Google Certified Educators, Trainers and Innovators will be there presenting on topics for, New Googlers, Seasoned Googlers, School Leaders, Teachers and Support Staff.

TOPICS ON THE SUMMIT SCHEDULE
• Making gMail Manageable (& New Gmail)
• Learn to Love (spread) Sheets
• Powerful Uses for Google Slides
• AddOns to Automate your Process
• Assessment & Feedback Loops with Forms
• Student Centered Classrooms with Technology
• Hyperdocs to Level Up Learning
• Classroom & Google Classroom Updates
• Digital Breakout EDU
• Professional Learning Communities
  so much more.

OTHER HIGHLIGHTS INCLUDE
• Acer Chromebook Giveaway
• Google Swag Drawings
• Demo Slams
• Thursday Networking Party
• Lunch included

Graduate credit can be secured through St Joseph's College <https://www.csj.edu/academics/professional-development/google-training/

ClassLink — actem Maine
Association of Computer Technology Educators of Maine

ACTEM Member Schools & Districts can
sign up for ClassLink and receive a discount on the per user subscription

ClassLink's mission is to empower educators to improve learning through innovative systems and services.

ClassLink offers single sign-on to 6,000+ apps and files at school and on Google, Office 365, and Dropbox cloud drives. ClassLink Roster Server easily delivers class rosters to any publisher using open standards, including those generated through IMS Global Learning. ClassLink Analytics gives decision makers essential utilization data. ClassLink OneSync streamlines account provisioning for IT teams.

Schedule a demonstration to see how ClassLink can benefit your schools!

Call Gail Dinkelkamp, Director of Inside Sales at **(862) 414-4819** or email **gdinkelkamp@classlink.com**

Leveraging Learning 2019:
iPad in the Elementary Classroom

By Carl Bucciantini

With another school year is coming to a close, it's not too early to set your sights on next year. The Leveraging Learning Planning Team invites you to join us in a celebration of iPad in the elementary classroom at our annual Leveraging Learning: iPad in the Elementary Classroom conference. This year's theme, Igniting Creativity, has inspired us to change things up a bit! Thursday will begin with Falmouth High School student John Wahlig sharing his story of how technology has impacted his life and is helping to shape his future. Friday kicks off with Apple Distinguished Educator and author Kristin Ziemke's keynote session, Read the World: Rethinking Literacy for Empathy and Action in a Digital Age. We end with a group activity where participants will try out something new to them or to enhance existing skills! In between all of that, we've packed the days with a variety of incredible teacher-led sessions!

Leveraging Learning: iPad in the Elementary Classroom is the only technology rich conference which places its emphasis on grades K - 6. Every session is targeted to the elementary level educator to provide them with an immersive experience where they explore and practice new skills. Attendees leave each session with classroom ready ideas that can be used to enrich their teaching and their student's learning experiences immediately.

Breakout sessions are hands-on, developed by teachers for teachers. Presenters are conference participants, so opportunities to extend the conversations and the learnings extend throughout the two-day conference.

To maximize participants' interaction with attendees and presenters, registration is limited to 100. Schools and Districts are encouraged to send teams.

For schools who might want to send a team to LL19, but are unsure of staffing, grade levels, interest, etc. for the new school year AND this year's budget is either frozen or expended. You can register a team using placeholders for names now and wait until the new fiscal year to submit payment.

For more information about the conference or submit your registration: https://institute2019.auburnschl.edu Questions can be sent to levlearn@auburnschl.edu
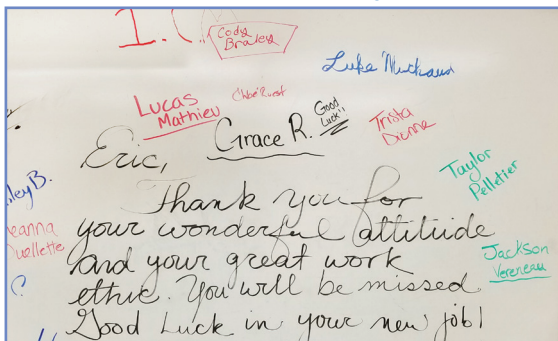
Registration Cost:
Early Bird until Sept. 10 - $325
After Sept. 11, 2019 - $375
NEW!!! $275. per person for teams of three or more PLUS an administration can register for FREE! No time limits for team pricing!
Single Day - $200

SAGE ADVICE

Vince Vanier, Madawaska SD

Thursday, May 2nd was Mr. Eric Fruge's last day as a custodian at Madawaska Middle/High School. He left to take another position at another employer, but his impact will be felt by staff and students for a long time. Here's why.

Mrs. Connie Vanier's class decided to send Mr. Eric off with a message posted on their whiteboard in the classroom. The message said, "Thank you for your won-derful attitude and your great work ethic. You will be missed. Good Luck in your new job!" All of the students signed the board as a token of appreciation for his wonderful attitude and positive energy.

Here is the message that he left for them on the whiteboard. He titled the message "Unified Consciousness."

1. Do all things not for self but for the collective good. In this way: Each person knows that the job they have plays into a LARGER development of the collective whole and thus, the importance given to each job inspires the individual to perform the task to the BEST of their abilities. The knowledge and social acceptance of each job is a fundamental part of a UNIFIED system. It provides respect and pride, irrespective of whether a person is a custodian or a software engineer.

2. Many hands make the load light.

3. Take care of the Earth. There is no Planet B.

4. Any day above the ground is a good day.

Regards, Mr. Eric

We ALL help educate our children. Mr. Eric Fruge, you are going to be sorely missed. Good luck with your new endeavors.

VENDOR PARTNER OFFERINGS

The following vendors have a partnership with ACTEM and offer their products or services at discounts for Maine Schools. *Contact vendors directly when ordering:*

BrainPOP | ACTEM Member Schools & Districts can subscribe to BrainPOP and Save Up to 20%.w

CDW-G | CDWG offers discount pricing & FREE shipping on orders to ACTEM Institutional members.

Connection | Connection is pleased to partner with ACTEM and extend discounted pricing on technology products. Connection has a special purchasing portal for ACTEM institutional members.

> **Portal Link:** www.govconnection. com/actem

Eduporium | Our partnership with Eduporium offers members extra discounts on all their products. An online portal provides a link to the many educational tools, customize tech bundles and activities for students.

> **Portal Link:** https://www.eduporium. com/actem

Explore Learning | All Maine Schools receive a 10% discount on all Gizmos, Reflex and Science4Us orders. Contact Brandon Nash at 866-882-4141 x357 or brandon.nash@ explorelearning.com

Impero | Impero is a cross-platform software solution, combining a suite of features into one tool for a school's network management, classroom management and online safety needs.

Lightspeed Technologies | Dstricts with ACTEM Institutional Membership are eligible for discounts of 22% off Lightspeed brand classroom audio technology.

Neverware | With Cloudready, you can get the speed, simplicity, and security of Chromebooks on nearly any PC or Mac, up to 13 years old. Contact Sean Terry at sterry@neverware. com or 646-880-3597 to get started.

Newsela | ACTEM Member Schools & Districts can subscribe to Newsela and Save between 5-25% on Newsela PRO, Powerwords, and Collections!

Teach Wonder | ACTEM has partnered with Wonder Workshop to help bring affordable training and resources to Maine's dedicated educators.

TEQ Online PD | ACTEM member schools & districts can subscribe to TEQ PD Online and save 25% on a $99 per teacher subscription. Contact Christian Roberts at 877-455-9369 x3165 or email christianroberts@teq.com

Vocabulary Spelling City | A game-based website and app that can supplement your core literacy curriculum, saves time streamlines data improves performance.

actem PURCHASING
CONSORTIUM FOR MAINE SCHOOLS

Maine Schools receive discounted educational pricing on the products and services listed here for ACTEM institutional members. The purchasing Consortium offers significant price savings on popular software titles from Adobe, Microsoft, Sophos and many other vendors. ACTEM looks to partner with vendors that can offer better pricing for Maine schools and also offer something in return to assist us with our mission. Contact the ACTEM office for these offerings:

ACTEM OFFERINGS

Microsoft | ACTEM has agreements with Microsoft for Select Plus (perpetual) and Microsoft EES - Enrollment for Educational Solutions (subscription) licensing.

> **Select Plus** - Districts register under ACTEM's agreement and are able to purchase software at educational volume license pricing.

> **Enrollment for Educational Solutions (EES)** is subscription licensing based on a people count (FTE's) in a school or district ACTEM offers pricing at the 3,000 FTE level for all schools.

Adobe | ACTEM offers Maine Schools and staff a limited number of perpetual (CLP) along with Adobe Creative Cloud (VIP) licensing.

> **Adobe's Cumulative Licensing Program (CLP)** offers perpetual licensing for Acrobat Professional, PhotoShop Elements and Premiere Elements.

> **Adobe's Value Incentive Plan (VIP)** is a subscription licensing program that offers a single app, all apps and site licensing options.

Sophos | Security software and hardware, providing endpoint, encryption, email, web, mobile and network security as well as Unified Threat Management products.

Filemaker | FileMaker Pro is an easy-to-use cross-platform relational database software application.

Deep Freeze | Software that preserves your computer configuration. Any changes – either malicious or unintentional – are reversed on reboot.

Kaspersky | Antivirus & Internet security software offers premium protection against viruses, malware, spam & other threats for your home or business.

LanSchool | Classroom management software that is used by schools to monitor students' activity in a digital classroom.

Parallels | Software for Mac that allows you to seamlessly run both Windows and MacOS applications side-by-side without rebooting.

Rosetta Stone | An online subscription platform to learn a foreign language. ACTEM consolidates a group purchase to allow better pricing for all Maine schools.

Kajeet | Purchase via ACTEM and receive 5% off the Kajeet Education Broadband solution (includes hardware, wireless services, filters and management portal).

MacBook Batteries & Power Adapters | Educational pricing on aftermarket batteries & power adapters for MLTI white Macbooks.

Memory & SSD Drives | ACTEM has partnered with Data Memory Systems to offer discounted pricing on memory and SSD drives for MLTI white Macbooks.

MacBook Shells & Cases | ACTEM offers discounted pricing on protective cases/shells from Max Cases & Griffin Technology.

Cyber Acoustics | ACTEM has partnered with Cyber Acoustics to offer special pricing on headsets for iPads.

CONTACT US for quotes or more information: ACTEM Executive Director, PO Box 187, Gorham, ME 04038
Email: director@actem.org | Phone: 207-222-4353, (Toll Free) 866-99-ACTEM | Fax: 207-222-2057
Check the ACTEM website for more information: http://www.actem.org/PURCHASING

SOFTWARE NEWS

ADOBE Many schools and districts have purchased Adobe K-12 Device Site licenses through ACTEM. It was announced late last year by Adobe that device licensing would be phased out and replaced with the new Shared Device Licensing (SDL) which is now available. Device licensing are not able to be upgraded to the latest version of Adobe CC and will no longer be available for purchase after August 2019. So in essence, everyone will need to move to Shared Device Licensing.

SHARED DEVICE LICENSES
- Shared Device Licenses will work with the latest version of Adobe CC 2019
- No additional purchase is required to migrate to shared device licenses
- Customers will have the opportunity to self-service migrate from current device licenses to Shared Device Licenses
- Summer might be a good time to make the transition to shared Device Licensing for your districts.
- Admins will log into the Adobe Admin Console and be presented with a migration button. The Admin Console will walk customers through the steps to migrate.
- Helpful resources can be found here -- https://edu.adobeeventsonline.com/cc/Resources/
- At the current time, pricing

remains the same. 100 Shared Device Licenses at $24.50 each or $2,450.00 per site (100 licenses minimum per site)

MICROSOFT SUBSCRIPTION LICENSING ACTEM's agreement with Microsoft for subscription licensing (Microsoft EES) was up for renewal in June 2019. We have negotiated a new 3-year Microsoft EES agreement that should take us through 2021. ACTEM's pricing for schools and districts is at the 3,000 EQU (Education Qualified User) level. Some highlights of ACTEM's new Microsoft EES (Office 365 A3) agreement include the following:
- Microsoft requires a minimum of 30 EQU to participate in the program
- Web versions of Word, PowerPoint, Excel, OneNote, and Outlook
- Desktop versions of Office on up to 5 PCs or Macs per user
- Windows 10 Enterprise A3
- Office apps on up to 5 tablets and 5 phones per user
- Microsoft Core CAL Suite (Includes Windows Server Standard CAL)
- Minecraft: Education Edition

Microsoft changed the people count formula that was used in the past based on FTE's to a new "Education Qualified Users" model. An explanation of how to count EQU is included in the overview link below.

Here is a link that will give you an overview of the Microsoft subscription license offering : http://bit.ly/MS-ACTEM-EES

CHROMEBOOK PD PROMOTION

Planning to Purchase Chromebooks?
If you are planning to purchase Chromebooks between now and July 1, you may be eligible for free professional development. Depending on the number you purchase, you could receive as many as 5 full-days of professional development at no charge to your district.

FOLLOW 3 SIMPLE STEPS TO GET STARTED
1. Complete your Chromebook & Chrome Education license purchase. Proof of purchase is required (via invoice)
2. Confirm your purchase by filling out this form and select the service that's best for your organization. Indicate the type of partner you'd like to work with: Professional Development (PD), Transformation, or Technology Services. Indicate EdTechTeam as your preferred partner.

IMPORTANT UPDATE TO APPLE CLASSROOM

Apple recently released Classroom 3.0 for iPad and Classroom 2.0 for Mac, and these updates add an important new feature which has been very frequently requested by educators -- the ability to manage student Mac computers running macOS Mojave 10.14.4 or later.

In addition to managing both Mac and iPad devices, Classroom 3.0 for iPad and Classroom 2.0 for Mac also now allow teachers to navigate to deep links in ClassKit-compatible apps. This means that teachers can navigate to, and share, app bookmarks in any ClassKit-compatible apps running on student iPad devices.

For more information on these updates, please visit "What's new in Classroom - Apple Support" https://support.apple.com/en-us/HT206151

Welcome to Classroom on iPad - Apple Support: https://support.apple.com/guide/classroom/welcome/ios

Welcome to Classroom on Mac - Apple Support: https://support.apple.com/guide/classroom/welcome/mac

And, for a list of ClassKit-compatible apps, please visit the "Get Schooled With ClassKit" App Store story (viewable on an iOS device), here: Get Schooled With ClassKit : App Store Story: http://appstore.com/classkit

Something cool to note is whether the iPad is the teacher admin device managing Macs and/or other iPads, or the Mac is managing iPads or other Macs, it can control to a great degree how tasks, apps, bookmarks, etc, are used in the classroom for collaboration with students, including locking the student devices into something.

BrightBytes Technology & Learning Survey

For the past six years, the Technology and Learning Survey has served as a useful tool for SAUs to understand how technology influences teaching and learning and how to focus on improving the technology environments that provide meaningful learning experiences. The Department will use the data collected over these years to inform the next steps for the Maine Learning Technology Initiative (MLTI) and has determined that as of July 1, 2019, the Department will not be renewing our contract with BrightBytes for the Technology and Learning Survey. Schools wishing to maintain their data dashboard beyond June 30, 2019, and/or individually contract with BrightBytes should contact them directly at:

Sarah Skinner,
Vice President of Partnerships & Corporate Strategy
sarah@brightbytes.net   M: 415.940.1766

Glen Zollman,
Client Success Partner
glen@brightbytes.net   M: 208.440.4536

Otherwise, SAUs are encouraged to download any data that they would like to save before June 30, 2019. Information about how to download SAU data is available at this link: https://docs.google.com/document/d/16HH9usZ142qBoHtwHM081DeKKBT-vLbHRZwLfYZ-aeA/edit

Maine DOE Data Management Systems Summer Training

The Maine Department of Education Data Team is holding their annual summer training during the first two weeks of August. The focus of the training this year will be on tips and resources to assist districts with their data reporting, and viewing/certifying their reports. The sessions will be focused on sharing resources to assist districts with the data tasks required.
Training Dates and Locations
August 6, Caribou High School, 308 Sweden St Caribou, ME 04736
August 7, Brewer High School, 79 Parkway south Brewer, ME 04412
August 8, Ellsworth Elementary/Middle School, 20 Forrest Avenue Ellsworth, ME 04605
August 12, Cony High School, 60 Pierce Drive Augusta, ME 04330
August 13, Mt. Blue High School, 129 Seamon Rd Farmington, ME 04938
August 14, Mt. Ararat Middle School, 66 Republic Avenue Topsham, ME 04086
August 15, Buxton Center Elementary School, 912 Long Plains Road Buxton, ME 04093

All sessions will begin with registration at 8:30, with presentations beginning at 9. We will serve a light lunch and will finish no later than 4:00. Coffee and water will also be provided throughout the day.
Topics for each session:
• 	How student and staff data is used for EPS and Accountability
• 	What's new for 2019-2020
• 	Accurate, Complete and Timely Data Submissions
• 	Data Security
• 	Our Website and Where to find helpful resources
• 	Data Collection and Reporting Calendar
• 	Maine Schools and School Approval changes
• 	NEO Staff – Entering Staff information
• 	MEIS – Maine Educator Information System
• 	Synergy – Manual and Uploads
• 	Graduation (NEO) requirements and reporting
• 	Student Reports (NEO) – where to find them and how to utilize them
• 	Behavior, Truancy and Attendance (NEO) – importance of these reports and important resources
To register for the training, please visit Summer 2019 Training Registration. If you have any questions, comments or concerns regarding these training sessions, please contact Ryan Cunningham Maine DOE Data Systems Helpdesk Manager at (207) 624-6809 or Ryan.L.Cunningham@maine.gov.

1200+ Students Attend Annual MLTI Student Conference at UMaine Hosted by Maine DOE

Orono – More than 1200 middle and high school students from schools across Maine gathered today at the University of Maine at Orono for

the Maine Department of Education's Annual Maine Learning Through Technology Initiative (MLTI) Student Conference. The event is held each year to engage students in technology related learning. The opening of the event featured Abby Sanborn from Sacopee Valley Middle School, in addition to student-led sessions where participants can learn a skill from their peers, and then create something using technology to take back to their schools. This year, in a special surprise for students, mascots from Maine's public universities were on hand as part of a fun technology challenge and to highlight how a young learner can "apply yourself," through the university system's youth development and early college programs.

"Maine's public universities provide a tremendous and growing number of youth development opportunities on our campuses, at our 4-H camps, and in partnership with local schools," said Dr. Carol Kim, Associate Vice Chancellor of Academic Affairs for the University of Maine System. "This year 3,500 Maine high school students earned low and no cost college credit through our early college programs and we will provide enrichment and learning programs for 20,000 Maine youth through our 4-H camps and community programs."

In a fun and interactive story line, UMaine's mascot, Bananas, got himself trapped in a virtual world, and needed help! His friends Augustus, Chompers, Benny, Hootie, Champ- the mascots from University of Maine Augusta, University of Maine Farmington, University of Maine Fort Kent, University of Maine Presque Isle, and University of Southern Maine, respectively- arrived on the scene, but needed the students to assist. Divided into teams, the students all worked collaboratively to solve puzzles and gather keys in order to free Bananas.

In addition to a great experience and new learning, 10 students left with $1,000 scholarships, should they choose to attend University of Maine in the future, and each campus raffled off their own swag bags. Educate Maine got into the mix when 5 more students got cool electronics, and all left with their eyes on future opportunities in Maine.

Chromebook Promotion
(Continued from page 13)

3. Hit the ground running. Work with your partner of choice to determine and implement the services that best fit your organization's needs

EDTECHTEAM CUSTOM G SUITE FOR EDUCATION WORKSHOPS

EdTechTeam's customized professional plans will help empower your educators to transform their teaching and learning spaces. By partnering with EdTechTeam you'll harness and utilize cutting-edge Google for Education tools to elevate your school's methodologies in the classroom and across the entire curriculum through personalized, authentic, and impactful learning opportunities

CoSN *(Continued from page 15)*

of these accelerators is available at: bit.ly/CoSN- Accelerators

Two accelerators featured in this report – Learners as Creators & Personalization – present enormous opportunities to educators. Both accelerators put students at the center of learning. Both respond to megatrends in the nature of work, changing societal expectations and the pace of technology innovation. Both are among the top five accelerators that the Driving K–12 Innovation Advisory Board believes are important for school systems, schools and educators to begin addressing this year.

The Driving K-12 Innovation publications Accelerators 2019 is now available on CoSN website at: cosn.org/k12innovation.

Later this year, CoSN will release the third report in the Driving K–12 Innovation series for 2019, focusing on Tech Enablers, as well as a practical toolkit to inform strategic planning and smart technology integration into teaching and learning.

ABOUT COSN

CoSN is the premier professional association for school system technology leaders. CoSN provides thought leadership resources, community best practices and advocacy tools to help leaders succeed in the digital transformation. CoSN represents over 13 million students in school districts nationwide and continues to grow as a powerful and influential voice in K-12 education. cosn.org

Maine DOE

actem
Maine

Association of Computer
Technology Educators of

P.O. BOX 187
GORHAM, ME 04038

Professional Development Opportunities

Tech Integrator's Group Mike Arsenault

June 11-13 LearnFestATX - Austin, TX June 11-13

June 12-13 LearnFestATX 2019 (formerly iPadpalooza), Austin, TX

June 23-26 ISTE 2019 Philadelphia, PA

June 28 FlipTech New England, McDevitt Middle School, Waltham, MA 02452

July 14-19 Building Learning Communities - Boston, MA

July 17-19 Building Learning Communities Education Conference 2019, Boston, MA

August 6-8 Biddeford Google Summit, Biddeford High School, Biddeford, ME

October 10-11 actem 2019 Education Technology Conference, Civic Center, Augusta, ME

Nov. 7-8 - Leverage Learning: iPad in the

Elementary Classroom – Igniting Creativity, Hilton Garden Inn, Auburn Riverwatch, Auburn, ME

Maine Educators Become an Apple Teacher - http://www.apple.com/education/teachers

MLTI Professional Development

Apple Solutions: http://maine.gov/mlti/events/apple.shtml

HP

Solution: http://maine.gov/mlti/events/hp.shtml

Tech Sherpas https://sites.google.com/site/techsherpas/ Tuesday 3pm

#EdChatME https://twitter.com/hashtag/edchatme Mondays

8:30-9:30pm

ACTEM OverDrive PD Library http://actem.lib.overdrive.com

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

Certified
Google
Educator

Read, learn, succeed.

ISTE 2019 PHILADELPHIA