

Electronic Educator

Connecting Technology Educators in Maine - March 2017

A Publication of the Association of Computer Technology Educators of Maine

President's Message

ACTEM was formed in the early 90's. A historical account of ACTEM published in the 2012 MAINEducation conference program indicates that it was no easy matter to come up with "ACTEM." Peter Mullen writes; "At first there was much discussion of the distinction that needed to be made between technology education and computer technology education."

I remember those discussions in the 80's and 90's. Technology, as in industrial technology and later industrial arts, vs. Computer Technology. We had a technology committee in my school district in those days, but a local engineer, who was the parent representative on the committee, reminded me often (WAY too often!) that "everything is technology. A paperclip is

(Continued
on page 15)



ACTEM 2017 Keynotes

Rushton Hurley

<http://www.nextvista.org>

Rushton Hurley is an educator who has worked and studied in multiple countries around the world, and who believes this is a great time to teach. In his work, he has taught at the high school and college levels, been principal of an online school, directed a professional development program, and succeeded as a social benefit entrepreneur. He loves creativity, collaborative innovation, and the potential of technology for improving communities.

Rushton founded and is executive director of the educational nonprofit Next Vista for Learning, which houses a free library

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Ken Shelton

<http://kennethshelton.net>

Ken currently holds an M.A. in Education with a specialization in Educational Technology as well as New Media Design and Production. He has worked as an Educator for over 14 years and most recently taught technology at the Middle School level. As a part of his active involvement within the Educational Technology community, Ken is an Apple Distinguished Educator and a Google Certified Teacher. Ken was also named to the California State Superintendent of Public Instruction's *Education Technology Task Force*.

Ken regularly gives keynotes, presentations, and leads workshops, many

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Association of Computer
Technology Educators

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

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Arsenault mike_arsenault@yarmouthschools.org

Dennis Professional Development
Kunces dennis.kunces@gmail.com

Rachel Electronic Educator Editor
Guthrie rguthrie@smccme.edu

Crystal ACTEM Conference Co-Chair
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Business Meetings

All Members Welcome!

March 14th 2017

May 9th 2017

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 meet-
ing details.

Save the date for ACTEM 2017
October 12-13, 2017



Learning through Technology

Team Updates

By Mike Muir

2017 MLTI GRANTS

Options for MLTI will be a little different this year. Instead of the traditional order with Apple or HP, the DOE will be awarding MLTI Grants to eligible schools. Schools will work directly with the vendor of their choice (any vendor). We are still working out details.

The MLTI Grants application will ask what schools what device they will be providing students and teachers, for maintenance and replacements for the life of this cycle of MLTI, for apps and software, and for professional learning. The grants are not competitive; every school that completes the application and meets the minimal criteria will be eligible for grants based on the number of funding-eligible seats.

We anticipate that 7th & 8th grade students and teachers (who would otherwise be eligible for MLTI funding support) and that high school teacher seats will be eligible if the district has provided a (new) 1to1 solution to 9-12 students at district expense. Grade levels who are currently part of the 2014, 2015, or 2016 cohorts are not eligible for MLTI grants.

We do not yet know the per-seat grant value. It will be based on the amount of money available to us divided by the number of seats we anticipate funding (both are non-trivial calculations).

We hope to have more information to share soon.

2013 COHORT BUY-OUT

Schools with grade levels that are

part of the 2013 MLTI cohort will have the opportunity to buy out their fleet. Districts will be able to choose to either return or buy-out their entire fleet of student devices and choose to return or buy-out their entire fleet of teacher devices.

Policies and procedures are being finalized now. Look for the MLTI 2013 Cohort Buy-Out page to be shared later in March. The buy-out costs per device are: iPad - \$28, MBA - \$48, iPad Mini - \$15, and HP laptop - \$18.

WHAT'S NEXT WITH CLASSROOM WIFI SUPPORT

The DOE is moving away from using MLTI to provide classroom wifi support to schools.

Reasons to Shift from MLTI School Wifi Support to a New Approach

- The current 2013 cohort MLTI wifi support runs out June 2017.
- Schools have to maintain multiple networks (MLTI in 7/8 and local in other grade levels).
- It is problematic for MLTI to leverage the new eRate reimbursements for classroom wifi.
- Schools have diverse needs - The one-size-fits all MLTI wifi offering wasn't "fitting all."

There will be no change to the 2014 cohort wifi support (ends June 2018), nor to the 2015 cohort wifi support (ends June 2019).

The DOE is switching to a 6-year cycle for classroom wifi support. 2013 wifi devices will be left in place at schools and the state will cover a basic level of support and licens-

es for controllers from July 1, 2017, through June 30, 2019. If a district wanted a higher level of support or to make changes to their network or expand their network, that would be a district cost.

The particulars of what classroom wifi support will look like in July 2019 are yet to be determined.

2017 MLTI STUDENT CONFERENCE

Mark your calendars! The 2017 MLTI Student Conference will be held at the University of Maine (Orono) on Thursday, May 25. There will be an emphasis this year on music and sound, allowing the MLTI Student Conference to continue its focus on "Learning by Making and Doing."

Registration will be available in Spring 2017 on a first come, first served basis, with schools able to register up to 40 students (1 adult chaperone required for every 5 students attending). Costs are to be determined but in the past have ranged from \$17 per person to as low as \$12!!

Atomic Learning Opportunities

ISTE CONTEST

Are you interested in professional growth and an opportunity to attend ISTE 2017? Atomic Learning is thrilled to announce our ISTE Hoonuit Contest where educators are rewarded for sharing what they learn!

Complete an Atomic Learning module - *LearnIt*, *DoIt*, *ShareIt*, and *ProveIt* from the list of accepted modules at the following link: <http://blog.atomiclearning.com/iste-hoonuit-contest>

Creatively share what you've learned on Twitter, Facebook, and/or Periscope including #Hoonuit in the post (blog post, presentation, short video, live video, etc.)
Deadline to submit your post is

March 31, 2017

The GRAND PRIZE winner will receive free registration & a travel stipend for ISTE 2017.

AMBASSADOR PROGRAM

Interested in becoming a Learning Ambassador? Join the Atomic Learning Ambassador team with other connected educators around the country. The purpose of the team is to build a community of educators who collaborate and grow through the support of the members. The Learning Ambassadors can participate in as little or as much as they'd like and each level attained opens more opportunity for the member.

While Ambassadors have a community of connected educators, they are also recognized for all they do to support learners. We want to spotlight the Ambassador presentations, shared resources, blog posts and more. The Ambassador program is all about investing into people, and we want you to be involved!

Here is the link to learn more about our Ambassador Program: <http://blog.atomiclearning.com/join-the-atomic-learning-ambassador-team>

ACTEM & Atomic Learning Partnership

ACTEM has partnered with Atomic Learning to offer special pricing on Atomic Learning's online resources for our members. ACTEM's MemberPlus Upgrade for individual members offers a subscription to Atomic Learning for just \$25. This is a great price and opportunity to try out Atomic Learning if you are new or see the new features added in recent years for previous users.



Included in the ACTEM MemberPlus Upgrade, is access to Atomic Learning's online resources for this membership year through June 30, 2017!

This membership upgrade allows you to log in to Atomic Learning and gain access to a vast library of online learning resources relating to instructional practices, college and career readiness, student engagement, technology use, and more. Our new Hoonuit Online Learning Framework works to personalize online learning using four components:

- LearnIt - Learn from Best Practices
- DoIt - Apply Learning to Life
- ShareIt - Connect and Get Feedback
- ProveIt - Document Learning

All of our conceptual learning resources are available in this LearnIt, DoIt, ShareIt, and ProveIt format. See a short overview video at the following link: https://www.atomiclearning.com/k12/movie/133434/play_window

In addition to the personalized learning experience, you can document your professional learning with Atomic Learning's reporting capabilities, assessments, and Certificates of Completion. You also have the opportunity to join webinar training sessions hosted by our customer support team. These sessions will highlight new Atomic Learning content as it relates to hot education topics.

If you would like to add the MemberPlus Atomic Learning subscription to your membership contact ACTEM at info@actem.org.

Need Contact Hours for Certification?

Atomic Learning may be an option if allowed by your local recertification committee. When you complete a course in Atomic Learning, certificates are automatically generated with date

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Have you renewed it yet?

ACTEM's membership year runs from July 1 through June 30 annually. Membership is included in conference registration but if you didn't make this year's conference there is still time to renew. Membership dues for individual membership is only \$20 per year.

INDIVIDUAL MEMBERSHIP BENEFITS

- ✓ Discounted registration fees on conference & workshops
- ✓ Lunch at quarterly business meetings plus the quarterly ACTEM newsletter
- ✓ Discounts through ACTEM purchasing consortium on selected products and software titles as companies allow.
- ✓ Professional development reimbursement of up to \$300 per year. *Only individual members may apply for this professional development benefit.*

Institutional memberships (\$50) are required for districts to purchase software and other accessories in our purchasing consortium. One membership fee per district allows all schools within that district to benefit from our low educational pricing. Institutional members also receive free shipping and discounted pricing of purchases from some of our partner vendors like CDWG and LightSpeed Technologies.

Institutional memberships do not qualify your district staff for professional development reimbursements and discounts on conference/workshop registration.

Join or renew today online at <http://actem.wildapricot.org/join>

and time necessary to complete the training.

I spent some time recently viewing a course by Leslie Fisher, who was one of the keynotes at the ACTEM 2016 conference. Leslie is a passionate person with great ideas about how to use cool and fun technology in engaging and meaningful ways in the classroom.

Leslie's course consisted of ten short videos about cool tools and augmented reality. I completed the course and received the certificate pictured here. This certificate documents that I spent 33 minutes to complete this training. Potentially combining several Atomic Learning trainings could add up to the contact hours you need for recertification.

ACTEM's MemberPlus Upgrade subscription to Atomic Learning could potentially help with recertification contact hours for our members. Please check with your local certification committee to see if they will accept these certificates as contact hours before counting on this for recertification.

Teach-to-Lead® Maine

ACTEM is pleased to be an organization committed to supporting the advancement of Teacher Leadership in Maine.

Teach-to-Lead® Maine commits to:

- Increasing success for all students through teacher leadership in instruction, professional collaboration, policy, advocacy, and teacher preparation;
- Changing and increasing the public and practitioner understanding

of the potential of teachers as leaders;

- Creating opportunities to promote and improve best practices in teacher leader development;
- Optimizing the effective use of teachers with skills and knowledge of leadership;

- Identifying the resources to provide the training and support to teacher leaders and administrators as they develop cultures of collaborative leadership;

- Improving practices in teacher leadership through opportunities for continuous improvement; and
- Using the Teacher Leader Model Standards (as developed by the Teacher Leadership Exploratory Consortium) to guide the work.

For more information about the **Teach-to-Lead® Maine** program please visit the following link <http://www.maine.gov/doe/teacher-leadership/index.html>

ACTEM Name Change

Dennis Crowe, in his President's message, wrote about a proposal to update and change ACTEM's name. His message contains the background and thinking behind the proposed name change.

As Dennis stated, we borrowed this idea from the Indiana ISTE affiliate. Indiana updated it's association name from the **Indiana Computer Educators (ICE)** to **Indiana Connected Educators**. This allowed Indiana to keep it's familiar brand within the State as ICE.

What do you think of the proposal to change ACTEM from the **Association of Computer Technology Educators of Maine** to the **Association of Connected Technology**



Educators of Maine.

Tells us what you think in this short survey at: <https://goo.gl/SIDMsW>

UMF Summer 2017 Graduate Courses and Summer Tech Institute

Registration for the following graduate courses is now open. All courses are approved to meet the 680 Endorsement. Summer 2017 Courses. <https://goo.gl/SVEwQj>

EDT 540 Instructional Design and Project Management

Instructor: Ashley Montgomery from University of Maine at Farmington. Dates: 6/26-8/11 100% Online with some synchronous meetings

EDT 543 Practicum in Instructional Design (EDT 598). Instructor: Peter Schilling from University of Maine. Dates: 6/5-8/18 100% Online with some synchronous meetings

EDT 559 Organizational Leadership for Instructional Technology. Instructor: Ashley Montgomery from University of Maine at Farmington. Course Dates: 6/12-7/7 100% Online with some synchronous meetings. Prerequisites: 9 credits of EDT coursework, or permission of instructor

EDT 560 Assessment in the 21st Century Classroom. Instructor: Mia Morrison from University of Maine. Course Dates: 6/26-8/4. 100% Online. Prerequisite EDT 520, or permission of instructor.

EDT 580 Summer Technology Institute. Join other educators for a hands-on institute at the Hutchinson Center in Belfast Maine, August 7-11. Participants will join a focused strand, and then select daily work-

shops each week. We will also have an EdCamp-style day where participants will drive the sessions. The experience can be done for graduate credit or for CEUs. Instructor: Johanna Prince from University of Maine at Farmington. Course Dates: Online 7/24-8/18, Face-to-face 8:30-4:00 8/7-8/11 at Hutchinson Center in Belfast

For more information contact Dr. Johanna Prince, University of Maine at Farmington - Director of Graduate Programs in Education - johanna.prince@maine.edu

ACTEM ACHIEVE Award

ACTEM each year recognizes an outstanding Maine educator with the ACHIEVE Award. The award is presented at our annual fall conference. Nominations for the 2017 award are now being accepted through the ACTEM website at <http://actem.wildapricot.org/AchieveAward> Anyone in the education field Pre-K through Higher Ed is eligible for this Awards!

ACHIEVE Award winners are professionals who effectively apply available technology now. They move forward utilizing current best practices and cutting edge approaches. They see students as real people by activating student voice and choice in education. They teach through relationships, inspiring, encouraging and nurturing. These professionals also recognize that further change is necessary, but understand that it is a process for all stakeholders. They realize that teacher and student empowerment is the key element to technology integration. ACHIEVE Educators expect success and motivate through awareness and access to information.

ACTEM wants to celebrate and honor those highly innovative Maine educators. Please nominate an educator today!

Cyber Acoustics, ACTEM Partnership

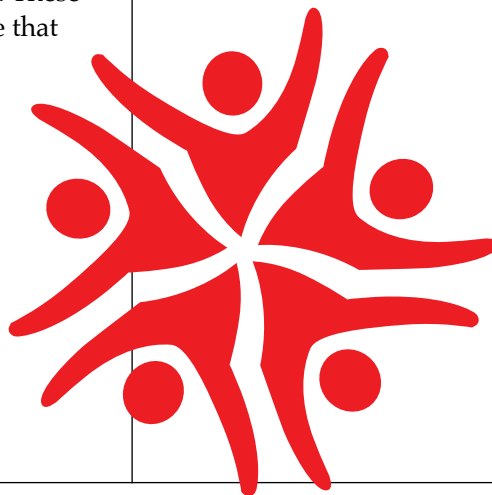
ACTEM has partnered with Cyber Acoustics to offer special pricing on headsets for the K-3 Literacy with iPads Pilot project.

The DOE Literacy Team has tested both models below and found them to work with the iPads and Otterbox cases. The testers found "the AC-6008 is definitely sturdier but both have high quality acoustics."

Other schools interested in these headsets for iPads may purchase them at our special negotiated pricing. Please Note: These headset are only available by the case at this special pricing

Model AC-204	Model AC-6008
Available in a case of 24 headsets at \$231 per case	Available in case of 20 headsets at \$218 per case

Shipping & handling is included in the case pricing. Contact the ACTEM office at info@actem.org if you are interested in these headsets.





Comments on Ransomware

By John Sullivan,
Symantec Regional Manager

WHAT IS RANSOMWARE?

Ransomware is a category of malware that restricts users from accessing their devices or data. Ransomware attackers force their victims to pay the ransom through specifically noted payment methods after which they grant the victims access to their computers or to their data.

If a company gets hit with ransomware, don't pay the ransom, said Kevin Haley, director of product management and security response at Symantec. The cost of ransomware doubled from 2014 to 2015, meaning that ransomware is effective enough at forcing companies to pay for hackers to unencrypt their information that the demand for ransomware has increased.

Companies argue that sometimes paying the ransom is a smart business decision because it would cost more money in the long run to get a team to unencrypt the data than it would to pay the ransom money that the hackers demand. Haley said he doesn't judge the people that choose to pay the ransom for that reason, but allowing the hackers to be rewarded only increases the chance that others will be affected by ransomware.

"Paying the ransom puts a notch on your gate," Haley said. If a company chooses to pay the ransom, attackers will make note of that and potentially try to encrypt

its data again, according to Haley." Haley cited a case where Hollywood Presbyterian Medical Center gave \$17,000 to hackers who encrypted its systems. Afterward, two other hospitals in California, as well as one in Kentucky and one in Maryland, were attacked with ransomware. Haley said that hackers learned that if one hospital would pay the ransom, others would too. "Ransomware is easy," Haley said.

Hackers can purchase all the tools they need online. Ransomware can infect systems through vectors, exploit kits, and email. The good news is that ransomware will stop eventually or evolve just as malware has. "Nigerian princes never go away, they evolve," Haley said. Each day, 400 businesses get hit by business email compromise (BEC) scams; \$3 billion has been lost this way, and 46 percent of these types of attacks come from Nigeria, according to Haley. He said that if a company's malware protection technology is 99 percent effective, there's still plenty of malware out there that could affect the company. Therefore, companies that have protective technologies still need to be aware of the threats. Attackers know the value of data better than individuals do. For example, an Uber account can be bought on the black market for five cents. Companies need to patch Adobe Flash Player and patch their websites. Fifteen percent of legitimate websites contain critical vulnerabilities. Companies need to continue to update their websites and search for vulnerabilities. You can protect yourself by running good security software on your computers. You

can back up your files, as there is no way to ransom a file that you have a copy of. Most importantly, if you do become a victim, you can refuse to pay the ransom. You're unlikely to get your files back anyway, so don't put money in the criminal's pocket. And if you deny the criminals any profit, then there is no point in running the scam. They move on. Like the Nigerian Prince, this scam will find its place within the archived files of cybersecurity history.

To access a recent Symantec webinar on Ransomware, please go to: <https://www.symantec.com/about/webcasts>

Best practices & more: https://support.symantec.com/en_US/article.HOWTO124710.html

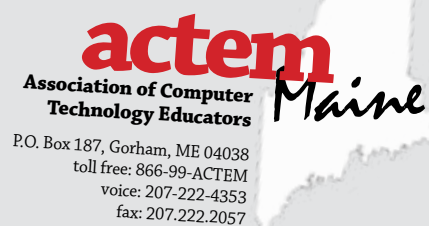
Symantec's very detailed and thorough Ransomware white paper: <https://www.symantec.com/content/dam/symantec/docs/security-center/white-papers/ransomware-and-businesses-16-en.pdf>

Symantec's Contacts: Regional Manager John_sullivan@symantec.com

Inside Sales Account Manager, david_howard@symantec.com



Association of Computer
Technology Educators of Maine
P.O. Box 187, Gorham, ME 04038



Testimony of: Dennis Crowe,
President of the Association of Computer Technology Educators of
Maine (ACTEM), and Technology Director for the Gorham Schools

Date: February 14, 2017

I am here to support L.D. 256, An act to ensure continued availability of high-speed broadband Internet at Maine's schools and libraries.

More and more teachers are utilizing web resources to personalize instruction and improve the monitoring and management of student progress. This is particularly important in the advent of proficiency-based education where the number of formative assessments can be cumbersome. The use of web-based resources is only going to increase in the coming years.

When students and teachers enter a school, they assume that the water is going to run and the lights will come on. In the State of Maine Internet access in schools and libraries is becoming almost as ubiquitous. In many states across the country that is not the case. We are fortunate that Internet access is provided to all schools and libraries in the State at little or no cost. This was all made possible by the PUC approved plan in 1996 that resulted in the creation of the Maine School and Library Network (MSLN).

MSLN, working with NetworkMaine, is clearly positioned to provide the exceptional broadband service to schools and libraries in the State at a much lower cost than if each individual school district or library were to purchase the service individually. In addition, MSLN provides content filtering for schools, web hosting, email account for libraries, and library databases for content that isn't free on the Internet. However, the funding for MSLN is declining. As Mainers make fewer phone calls, the amount of money received from the Maine Telecommunications Education Access Fund (MTEAF) and matching federal e-rate funds continue to drop. The proposed solution in LD 256 will provide that needed funding.

With the current funding issues facing our schools and libraries, if MSLN were no longer able to provide Internet access, schools and libraries would have to start paying much more for broadband, and many could not afford adequate bandwidth. While most students and teachers in Maine don't know that MSLN exists, the technology leaders in the State know the importance of continuing this exceptional service and we strongly support LD 256.

A handwritten signature in black ink that reads "Dennis Crowe". The signature is fluid and cursive, with the first name "Dennis" being more prominent than the last name "Crowe".

*President, Association of Computer Technology Educators of Maine
Technology Director for the Gorham Schools*

ACTEM 2017 Call for Proposals

THE 30TH ACTEM CONFERENCE

Oct. 12-13, 2017 – Augusta Civic Center, Augusta, ME

The 30th Annual ACTEM Technology Conference will be held in at the Augusta Civic Center in Augusta on October 12-13, 2017. ACTEM's conference has attracted over 600 educators and 40 vendors to our annual event each year. Ever consider being a presenter at ACTEM's conference?

The call for proposals for ACTEM 2017 will open in early March 2017, and this year we are looking for a wider variety of session types. We will continue to offer the one-hour sessions that have been the mainstay for ACTEM conferences for thirty years and the half-day workshops that have been popular since the conference expanded to two days. This year, we also plan to include some shorter presentations that will take place on the stage in the exhibit area.

Here are the four types of proposals we are looking for:

HALF-DAY, HANDS-ON SESSION These are hands-on workshops where participants can dig deeply into a topic, try out new ideas, and create or develop something they can use in their schools.

ONE-HOUR SESSION These are the traditional conference sessions where a presenter introduces and discusses an idea, shares something that has worked for him or her, or inspires the participants to try something new. There may or may not be a hands-on component, but audience participation is encouraged.

15-MINUTE, MINI SESSION These are TED Talk style sessions where the presenter gives an inspirational, highly engaging talk. The presenter focuses on one idea and develops it with visuals designed to tell a story or get a point across in a short amount of time. For an example, check out Tristan Harris's TED Talk, *How Better Tech Could Protect Us From Distraction*.

5-MINUTE IGNITE PRESENTATION This is a fun and exciting way to share an idea. The presenter has 20 slides that are timed to change at 15-second intervals, for a total of five minutes. These are carefully designed, well-rehearsed presentations. For an example, check out this talk from Ignite Sydney: *Prisoners Who Code*.

The goal of the ACTEM Conference is to provide a wide-ranging professional development experience that will energize attendees and encourage them to enhance their teaching with new knowledge and skills.

Proposals should address the needs of today's learners, educators, and administrators by focusing on innovative and emerging trends as well as current practices.

We are looking for a wide variety of presentations and presenters who are up to the challenge! Help us make this 30th edition of the ACTEM Technology Conference even better than ever! Submit your workshop proposals today at www.actem.org

Spring Regional MARTL Meetings

The one-day Spring 2017 Regional Meetings will once again bring MARTLs (MLTI Apple Refresh Teacher Leaders) together to connect, share, and learn. The meetings will run from February 28 - March 16.

The theme for this second round of MARTL meetings is focused on making digital content, "Creating Digital Evidence of Student Proficiency."

At the end of this meeting MARTLs will have re-connected to a Professional Learning Network (PLN) of their Teacher Leader colleagues, and will be better prepared to help their school community leverage Apple technology to support the creation of diverse and durable digital evidence of student proficiencies.

The agenda has been distributed to MARTLs.

REGISTRANT REQUIREMENTS

- Be identified as the MARTL for a school that is a participant in the 2016 MLTI Apple Refresh
- MARTLs are encouraged to register for the Spring 2017 Regional Meeting closest to their school, but may register for any of the sessions with space available.

Locations and registration links are available at: <http://maine.gov/doe/mlti/martl/>

All meetings are from 8 AM - 3:30 PM. Registration will begin at 8 AM with continental breakfast. Sessions begin at 8:30 AM. Lunch will be provided. Questions? Please contact Jim Moulton - moulton@apple.com

MARTL's Connect, Learn, Share, and Grow Capacity

By Jim Moulton, Apple Inc.

MARTLs from across Maine are continuing their effort to increase the purposeful and effective use of the Apple MLTI devices distributed to their schools during the 2016 Apple MLTI refresh. The Department of Education has established a web page to keep the MARTLs (and others!) informed of opportunities and activities at <http://maine.gov/doe/mlti/martl/>

Planning is underway for a Summer MARTL Summit - June 26 & 27, 2017. This event will allow MARTLs to continue their practice of connecting, learning, and sharing as they reflect on the year just passed and begin to think about growing local capacity in their school communities during the 2017-18 school year. Principals from the 2016 MLTI Apple Refresh schools will also be invited to attend. Registration will open soon. If your school hasn't named a MARTL, it's not too late! Each 2016 MLTI Apple Refresh School can name one by using the form available at: bit.ly/MARTL2016

Since the Fall 2016 Regional Meetings, webinars have been leveraged as a way of keeping MARTLs connected - sharing the work of MARTLs and their school communities from around the state to inform and inspire others.

In the first webinar, MARTL Bob LePauloue & Principal Tiffany Robert of Thornton Academy Middle School in Saco shared their school's work around Apple Teacher in "One School's Story - Leveling Up the Playing Field with Apple Teacher."

Bob came back to school after the October MARTL meeting excited about the possibilities he saw in the

MAINE APPLE REFRESH TEACHER LEADERS

Apple Teacher program (appleteacher.apple.com) — he saw it as a way to assure all teachers at his school could gain foundational skills with their Apple MLTI devices. In this webinar MARTL Bob LePauloue shared why he hoped to have his colleagues work towards Apple Teacher certification, and he was joined by his principal Tiffany Robert who explained why she agreed with Bob, and issued a challenge to her staff to reach 100% certification. They discussed their rationale, their process, and the results the school saw. They were joined by Thornton Academy's Amanda Doyle who shared how the enthusiasm from the middle school spread to the Academy and caused them to join in the effort. Find the slides from this webinar at: bit.ly/MARTL_Webinar_1_Slides

In the 2nd webinar MARTL Ian McKenzie & "Our View" Team Members from Camden-Rockport Middle School discussed, "The Power of Community Storytelling - "Our View" by Camden-Rockport Middle School's Eighth Grade."

This fall eighth graders at Camden-Rockport Middle School released a photography book to the iBooks store - "Our View". This publication is the culmination of a trimester long interdisciplinary project centered around individual expression, community, and digital media. All photographs were taken and edited on MLTI iPad Pros, and the book was created using iBooks Author. Throughout this project, we have been focusing on expanding the audience for their learning. Camden-Rockport Middle School was excited to share this final product. In this webinar participants learned about the project's goals, their

processes, and the results achieved.

Every community in Maine has stories to be told, and there is hope this project might be replicated in other parts of Maine. Resources from the webinar can be found at bit.ly/ourviewwebinar

A third webinar will be held on March 21, 2017, featuring MARTL Erin Towns of Edward Little HS in Auburn. "Come on - Let's see what you can do!" - The power of providing students real opportunities to apply content knowledge and skills. (And how to get started in a real classroom.)"

In this webinar we'll hear from Erin about how she provides her students with rich opportunities for application of content knowledge and skills, the results she sees from this practice, and the role played by the Apple MLTI devices in this work. These opportunities enable students to think deeply about what they have learned and provide them with a chance to demonstrate proficiency across multiple content areas and within the guiding principles. Erin's students engage in learning experiences that matter to them and make a difference in their communities. Her students do some of their best work when they know their end product will be used and valued by authentic audiences. The webinar will begin with looking at why we ask our students to do this kind of work, and go on to help webinar participants think about how they can bring this kind of opportunity to their own students.

Questions about the MARTL Program? Please reach out to Jim Moulton at moulton@apple.com

Ed TechTeam Press is offering a special discount this March for ACTEM members. Check out the titles below by ACTEM 2017 keynote speaker, Rushton Hurley and Maine authors familiar to us, Kern Kelley and Dan Ryder.

Making Your School Something Special \$20

By Rushton Hurley – One of the ACTEM 2017 keynote speakers

You want to make a difference in others' lives; this is what brought you to education professionally. If you're a teacher, you want your students to love coming to class. If you're a school leader, you want your teachers to love coming to work. So how do you do this? How do you make your school a place where students and teachers alike want to be—because it's where they feel energized, inspired...special? In *Making Your School Something Special*, educator and international speaker Rushton Hurley explores the mindsets, activities, and technology that make for great learning.



The Google Apps Guidebook \$29.99

by Kern Kelley with Austin Taylor and the Tech Sherpas

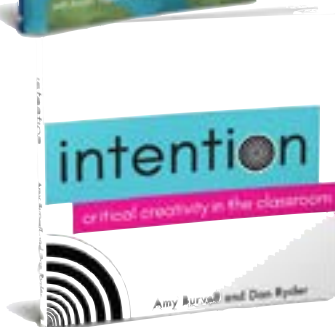
The Google Apps Guidebook is a set of student created lessons, activities and projects for educators to use in their classrooms. Each lesson connects with a component from the Google Apps for Education suite. The Guidebook takes teachers step by step through the entire process of introducing Google Apps to their students.



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Intention, Critical Creativity in the Classroom \$19.99

By Amy Burvall and Dan Ryder, How might we choreograph a short story, remix a political party, sketchnote an equation, costume a scientific phenomenon, or hashtag a nutrition plan? Veteran classroom educators, Amy Burvall and Dan Ryder, believe intentional acts of creative expression enables deeper learning, turning the creative spirit into a force for authentic understanding. *Intention: Critical Creativity in the Classroom* provides a catalog of field-tested, student-centered activities, lessons and experiences ready for integration into any classroom. Each item in the catalog features a pathway for facilitating the thinking and making, an inventory of critical thinking skills developed during the experience, multiple suggestions for content area integration, and ideas for further enrichment and exploration.



To order copies of the above books go to EdTech Team Press at <http://www.edtechteam.press> Use the promo code MAINE2017 to get the 20% special discount on Rushton's book and the books of our two Maine authors through the end of March 2017.

TECH & LEARNING

L I V E

Tech & Learning Live @ Boston

Friday May 12, 2017

Boston Marriott Newton - Newton, MA

At Tech & Learning, we know that the tech doesn't work without the learning. We've published hundreds of articles since 1980 showcasing schools that have proven that the tech tools are only as powerful as the solid pedagogy that support them. Tech & Learning Live conferences stem from this premise, bringing together both sides of the conversation for a unique full day of professional learning and networking.

K-12 tech leaders will share ideas related to all things edtech: what works, what doesn't, how to get stuff done. **K-12 instruction leaders** will discuss how the learning fits meaningfully into these tech initiatives. Topics include personalized learning, successful PD models, digital citizenship, the latest tools for core curricula, coding, robotics, and much more. Attendees also get to try out the latest tools in the interactive "playgrounds."

This year's featured keynote speaker is Michael Horn. Michael is the co-founder of the Clayton Christensen Institute for Disruptive Innovation, a non-profit think tank,

and the author and coauthor of multiple books, including the award-winning book "*Disrupting Class: How Disruptive Innovation Will Change the Way the World Learns*" and the Amazon-bestseller, "*Blended: Using Disruptive Innovation to Improve Schools*." An expert on disruptive innovation, online learning, blended learning, competency-based learning, and how to transform the education system into a student-centered one, he serves on many advisory boards, including the new M.A.P.L.E. (Massachusetts Personalized Learning Education Consortium), a public-private partnership between the Learn-Launch Institute and the Massachusetts Department of Elementary and Secondary Education to catalyze personalized learning in the Commonwealth with the purpose of better

preparing students for their future.

ACTEM members receive a \$100 discount on registration! Take advantage of this membership discount by using discount code **BOS17ACTEM** when registering.

Registration Link: <http://www.techlearning.com/live/register/%20boston/37>

Program Link: <http://www.techlearning.com/live/program/%20boston/37>

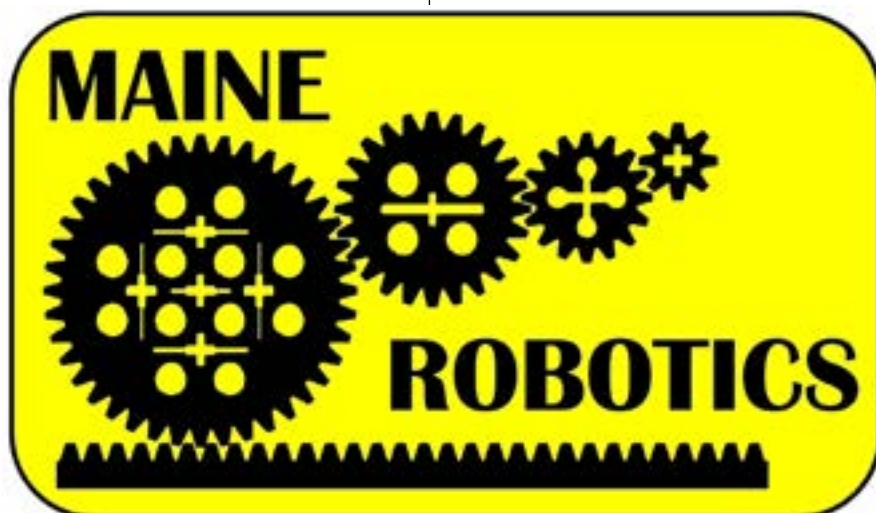
2017 Maine Robotics Robot Track Meet Season Now Open

By Thomas Bickford

Are you looking for a way to engage your students in Computer Programming, Physics, Engineering, Robotics and Mathematics?

We are hosting the 13th annual Maine Robot Track Meets this year in Oakland, South Portland, Ellsworth and we hope the County. <http://trackmeets.mainerobotics.org/>

- May 6th, 2017 - Messalonskee High School
 - May 13th, 2017 - South Portland High School
 - May 20th, 2017 - Ellsworth Elementary & Middle School
- Maine Robotics developed this program back in 2005 with a specific



eye on giving teachers a program that would be easy to implement without a lot of background in STEM or robotics, so check it out.

We had 55 teams and 430 students in 2016 and are expecting even more this year. Let's see if we can beat that for 2017! No major changes this year, a few rule changes so check out the updated Official Rules on our website. Same costs as before, but you can now register for more than one event if you want to do several track meets.

This program is open to any students who are enrolled in the 3rd to 8th grades during the spring of this year. Teams can use any LEGO or VEX IQ robot kit. Teams have January through to the meets in May to work on their robots. There are 10 different events to pick from.

- Fastest robot
- Strongest robot
- Steeplechase
- Slope climber
- Delivery Challenge
- Table Clearing
- Walking
- Ping Pong Shot Put
- LEGO Bridge and the
- Speed Build Competition

Teams can enter just one event, or try for points in a bunch of events so you can be "Meet Champions." Gold Standard ribbons given for anyone who meets the preset Gold Standard levels for each event.

As always Maine Robotics is a *non-profit* serving the Maine education community, with emphasis on the STEM fields of engineering and computer science. Check out our year round activities at: <http://www.mainerobotics.org/>

Just visit <http://trackmeets.mainerobotics.org/> for more information.

Hope to see you this spring!

Brightbytes & MLTI Implementing Pedagogical Learning Through Technology

By Sean Malone,
Digital Learning Specialist, MDOE

As we approach the mid-year point, now is a good time to remind tech leads, curriculum coordinators, and Superintendents that the Technology & Learning survey provided by BrightBytes and MLTI is available to distribute and collect data with an emphasis on students and teachers in grades 7-12. The Technology & Learning survey analyzes the responses and helps facilitate next steps to move the needle with learning through technology. Even if you have conducted the survey in the last year, you have the opportunity to see how the work you've done this year has impacted student and teacher responses. The survey takes only about 15 minutes for teachers and 10 minutes for students. It is required for school districts with a technology plan due in 2017.

One of the major changes this year is a series of collaborative webinars with Sean Malone from MDOE and Matt Schneidman from BrightBytes. Over the course of the next several months, Matt and Sean will be collaborating to provide support to districts using their Technology & Learning data. Topics include crafting technology plans, discussing pedagogical methods, and analyzing data to make meaningful learning through

technology decisions. If you are interested in participating in a webinar, need assistance with getting started with BrightBytes, and/or have technology plan questions, please reach out to Matt at matt@brightbytes.net or Sean at Sean.Malone@maine.gov.

Please note: all technology plans are due by June 30, 2017. We're looking forward to working together.

MLTI Student Conference Save the Date!!

The 14th annual MLTI Student Conference is scheduled for Thursday May 25, 2017.

There will be an emphasis this year on music and sound, allowing the MLTI Student Conference to continue its focus on "Learning by Making and Doing."

Celebrating the energy, ideas, and perseverance of student creators, the 2017 MLTI Student Conference promises to stay true to the MLTI Student Conference tradition and be another fulfilling day for both students and educators on the UMaine campus.

Registration will be available in Spring 2017 on a first come, first served basis, with schools able to register up to 40 students (1 adult chaperone required for every 5 students attending). Costs are to be determined but in the past have ranged from \$17 per person to as low as \$12!! Mark your calendars and start getting your teams together! Please contact MLTI at mlti.project@maine.gov with any questions regarding this event.

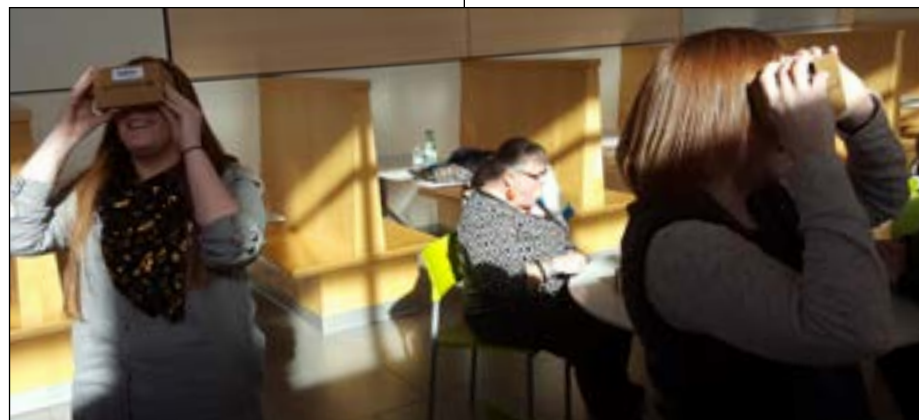


12th Annual
MLTI Student Conference
May 21, 2015

EdCamp Western Maine

What is an "EdCamp?" *Edcamp* is a form of unconference designed specifically for teachers and their needs. ...

unlike traditional conferences which have schedules set months in advance by the people running the conference, Edcamp has an agenda that's created by the participants at the start of the event. If you have never



been to one, it's worth a try. Coming up March 4th, EdCamp Maine at Wayne-fleet School in Portland, hurry!





Strategies
that work –
from the
brightest
minds in
ed tech.

Join us at the 2017
ISTE conference.



#ISTE17

ISTE 2017 Join us!

Extraordinary educators deserve an extraordinary conference. Join us at ISTE 2017!

Registration and housing for ISTE 2017, June 25-28 in San Antonio, are now open! Join your ISTE affiliate colleagues at the world's most comprehensive edtech meeting of the minds. You'll find educator-tested strategies and extraordinary resources for transforming teaching and learning.

Get a glimpse of what the ISTE Conference & Expo has to offer (video link: <https://vimeo.com/188584334>), then register early for the best rate.

Extraordinary educators. Extraordinary professional development. An extraordinary opportunity to connect and learn with your ISTE affiliate peers. That's ISTE 2017.

Summer Classes at SMCC

**DIGITAL
PHOTOGRAPHY:
Getting Beyond Auto
Mode**

Instructor:

Christian Farnsworth

This course serves as an introduction to photography with a digital camera. Emphasis is placed on fundamental techniques of a digital camera with manual function and image file editing. The course will cover use and manipulation of aperture, shutter speed and light meter to affect proper exposure, depths of field (DOF) and stop/ blur motion. Students will engage in short, shooting-based projects to include concepts of DOF, point of view, and deconstruction. Lessons will encourage landscape, portrait and fine-art compositioning, as well as

post-production editing. For each class, students will need access to a digital camera with manual exposure control (e.g. manual aperture and shutter speed).

ARTS 801-01 (15 hours)

Tues. & Thurs., 3/23-4/11
6-8:30 p.m. **\$175**

LANDSCAPING:

The Zen of Color

Instructor: Lindsey Knapp

Color is both seen and felt, a matter of visual perception and emotional attachment. Learn how to use both aspects of color to enhance your landscape and your life within it. (3 hours)

HORT 807-01 Wednesdays, 3/22
6-9 p.m. **\$35**

LANDSCAPE DESIGN:

A Mindful Approach

Instructor: Lindsey Knapp

Good design is all about balance and adapting the elements of style to your landscape and your life. This course engages both the left and right brain, resulting in a 'whole mind' approach to the art of habitation. (24 hours) **HORT 806-01** Wednesdays, 4/5 - 5/10
6-9 p.m. **\$185**



Erate 471 Filing Window

The FY2017 Form 471 Application Filing Window will be open: Monday, February 27, 2017 (12:00 Noon EST) –Thursday, May 11, 2017 (11:59 PM EDT)*
Anne Perloff: Maine State E-Rate Coordinator for Schools Networkmaine ... a unit of the University of Maine System. Web: www.networkmaine.net/erate. Email: anne.perloff@maine.edu, Phone: 207-581-3584

(Ken Shelton, from cover)

of which are hands-on, covering a wide variety of Educational Technology, Technology Integration, Creative Expression, Visual Learning, Visual Storytelling, and Instructional Design topics. Ken is currently the Global Keynote Specialist and Educational Technology Strategist, for *EdTechTeam*.



(Rushtan Hurley, from cover)

of over two thousand short videos by and for teachers and students at *NextVista.org*. Additionally, he is the Global Project Lead for the *Krause Center for Innovation* at Foothill College in Los Altos Hills, California, and was the charter president of the *Rotary eClub of Silicon Valley*. His graduate research at Stanford University included using speech recognition technology with beginning students of Japanese in computer-based role-playing scenarios for developing language skills. In the 1990's his work with teenagers at a high school in San Jose, California, led him to begin using internet and video

technologies to make learning more active, helping students who had struggled under more traditional approaches.

Rushton has trained teachers around the world, and regularly presents at national and international conferences. His thoughtful and practical talks center on the connection between engaging learning and useful, affordable technology, as well as professional perspectives of teachers at all levels, the power of digital media-enhanced communication, and institutional readiness in a changing world. His book, **Making Your School Something Special**, was released by EdTechTeam Press in January of 2017.

President's Message

(from cover)

technology." I think his message was that the committee was actually a computer technology committee. So in the 90's, that distinction was necessary, and the word computer was descriptive enough to help define our objectives. But is this still accurate?

I know that when I describe MLTI to someone who is not familiar, I catch myself with "Each 7th & 8th-grade student in the State receives a compu...*device* from the State."

Which begs the question...should we still be using the word computer in our title? Is it broad enough or is it time we find a different descriptor?

I'm not suggesting that we become the Association of Device Technology Educators of Maine, but I think we can do better than computer.

In 2016, Gary Lanoie and I attended the ISTE affiliate meeting in Denver. A full day where representatives from other ISTE affiliates around the nation, like ACTEM, meet to discuss a wide variety of organizational issues common to everyone. One of those affiliates, the Indiana Computer Educators (ICE) presented that they were changing their name to the Indiana Connected Educators. This change allowed them to keep their brand recognition in the State, ICE, but was more in line with the changes in technology. Being a technology user, I know that "recycling" ideas from another group is just good business, no sense in reinventing the wheel when it is isn't necessary.

So what I am asking you about today is... What would you think about ACTEM changing our name to the Association of Connected Technology Educators of Maine?

This change would keep our "ACTEM" brand intact, but I believe it updates our title to more accurately reflect our mission and captures the larger scope of our responsibilities.

This name change will be an agenda item at the March business meeting, but if you are unable to attend, please send your thoughts on this topic at: <https://goo.gl/SIDMsW>

Upcoming
31
Events

March 3 2017 Massachusetts CTO Clinic,
Sponsored by COSN &
METAA, Milford, MA

March 4 EdCamp
Maine, Waynflete
School, Portland, ME

March 10 MooseTech
2017, Piscataquis Commu-
nity Secondary School, Guilford, ME

March 10 MassCUE - Leveraging Technol-
ogy to Empower the Whole Child, College of
the Holy Cross, Worcester, MA

April 3-6 COSN Invent the Future Confer-
ence, Chicago, IL

April 29 MooseCamp, Un-Conference
focused on proficiency-based education, Rid-
gewood Community School, Dexter, ME

May 3 WCA 9 City Tour, Westin Portland
Harborview, Portland, ME

May 9 2017 New Hampshire CTO Clinic,
Sponsored by New Hampshire CTO Council,
Meredith, NH

May 12 Tech & Learning
Live @ Boston Marriott
Newton, Newton, MA

May 22-23 DYNAMIC
LANDSCAPES - Cham-
plain College, Burlington VT

May 25 14th Annual
MLTI Student Conference,
UMaine, Orono

June 6-8 iPadpalooza - Austin, TX

June 25-28 ISTE 2017 - San Antonio, TX
<https://conference.iste.org/2017/>

July 5-7 FOSSEd Gould Academy, Bethel,
ME

Aug 7-11 - Summer Technology Institute,
Hutchinson Center in Belfast

Oct. 12-13 ACTEM 2017 Conference,
Augusta Civic Center

MLTI PROF. DEVELOPMENT
Apple Solutions
<http://maine.gov/mlti/events/apple.shtml>
HP Solution
<http://maine.gov/mlti/events/hp.shtml>

UMaine Courses Non-degree registra-
tion information <https://umaine.edu/graduate/apply/cert-nd-app-info/>

**Master of Education in
Instructional Technology**
<https://online.umaine.edu/graduate-degrees/master-of-education-in-instructional-technology/>

**Certificate in Classroom
Technology Integration**
<https://online.umaine.edu/graduate-certificates/classroom-technology-integrationist/>

Certificate in Instructional Design
<https://online.umaine.edu/graduate-certificates/graduate-certificate-instructional-design/>

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

#EdChatME
<https://twitter.com/hashtag/edchatme>
Mondays 8:30-9:30pm

About Time and Beyond
<http://www.abouttimeandbeyond.com/>
First Thursday at 3:30pm