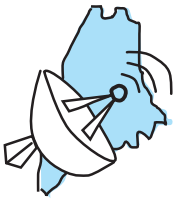
Special 25th Anniversary Conference Program



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The Association of Computer Technology Educators of Maine presents

MAINEducation 2012

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Educator of the Year
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25 YEARS of TECHNOLOGY & LEARNING

CONFERENCE

John Lunt Friend of Technology Awards
Bette Manchester
Dennis Kunces &
Craig Dickinson
Page 26

Save Money
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Computer Connection
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In an effort to provide software to K-12 schools at the best possible prices, ACTEM has teamed up with the University of Maine System. This natural alliance between educational advocates, serves to supply local schools with software from Microsoft and Adobe, at significantly reduced prices.

Pioneers in statewide K-12 software licensing, ACTEM and UMS continue to deliver an increasing range of software packages to schools at budget friendly values. Along with helping Maine educators get the programs they need, a considerable amount of licensing sales are reinvested into hosting professional development resources such as the MAINEducation Technology Conference.

To purchase, contact

Gary Lanoie, ACTEM
P.O. Box 187
Gorham, ME 04038
(207) 222-4353
Fax: (207) 222-2057
glanoie@actem.org

Derek Husson, Computer Connection
5784 York Village, Bldg 6
Orono, ME 04469
(207) 581-2617
Fax: (207) 581-4660
derek@umit.maine.edu

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Adobe Bundles k-12 Site Licenses	Please Call
Microsoft & Adobe media kits	$30

Computer Connection
Your Campus Computer Store!

Maine's Public Universities
UNIVERSITY OF MAINE SYSTEM

ACTEM

8:00 a.m. Augusta · Pine Tree Room, 2nd Floor

Friday morning keynote speaker

David Warlick

David Warlick's unique voice and message combine a wide range of experiences, both in and outside the education arena. He ran two businesses before graduating from high school and spent more than a year in manufacturing before completing his undergraduate work. Mr. Warlick worked for nearly ten years as a middle school social studies, math, and science teacher, during which he also wrote some of the earliest award-winning instructional software and introduced hundreds of teachers to the educational potentials of personal computers.

In 1984, David moved to a central office position, as Director of Technology and then on to the North Carolina State Department of Public Instruction where he served as a technology integration consultant and built the nation's first state department of education web site. Since 1995, Mr. Warlick has been the owner and principal consultant of The Landmark Project, a professional development and innovations firm in Raleigh, North Carolina. During this time David has spoken at conferences and delivered workshops for educators throughout the U.S., Canada, Europe, Asia, Australia, the Middle East, and South America. David Warlick has been an innovative and prolific programmer. His classroom blogging site, Class Blogmeister, has served more than a quarter of a million teachers and students, and his attribution tool, Citation Machine, receives nearly a million page views a day. These and all of his other web tools for teachers are free.

David has also written four books about technology, contemporary literacy, and lifelong learning, and has contributed to other publications including Technology & Learning Magazine, ALA's KnowledgeQuest, Education World, and CUE Online. Mr. Warlick has been quoted in Education Week, The San Francisco Chronicle, The New York Times, Washington Post, and USA TODAY and was recently named one of the ten most influential people in edtech by Technology & Learning Magazine.

What makes David Warlick a highly effective and sought-after speaker is that, at heart, he is a teacher with a contagious passion and enthusiasm for helping people discover a brand new world of teaching and learning.

FRIDAY
Warlick presents **"Hacking Classroom Instruction"** from 11-12:00 and "Cultivating Your Personal Learning Network" from 1:20-2:20

David Warlick was the first national figure we brought to our MAINEducation conference back in 2006. He was the keynote speaker that year and rocked the crowd. When the conference planning committee was looking for someone special for our 25th MAINEducation conference we immediately thought of David.

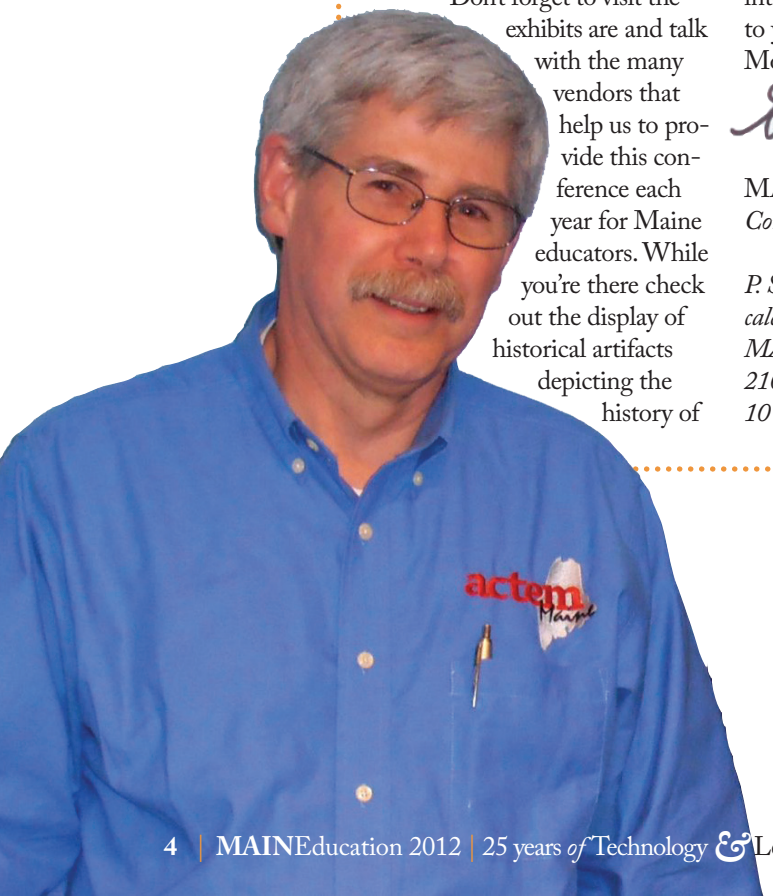
From the Conference Chair

Welcome to MAINEducation 2012! This annual conference originated back in 1988 by a partnership of the Maine DOE and the Maine Computer Consortium that was part of "The Center" in Auburn. The year 2012 marks the 25th anniversary of this conference. This year's theme "25 years of Technology & Learning" celebrates this anniversary.

The conference planning committee has been working since February to assemble a quality program with a variety of workshops that should provide something for every attendee. MAINEducation 2012 will features over thirty 3-hour workshops on Thursday October 11th and 70 one-hour sessions on Friday, October 12th.

David Warlick, a long time national leader in technology and education, returns to Maine as our keynote speaker. Another national leader, Christopher Tully, a Multimedia Technology Instructor at Middle Bucks Institute of Technology also has several featured sessions at this year's conference. Be sure to catch one of their sessions.

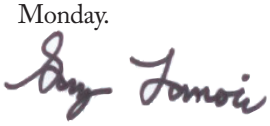
Don't forget to visit the exhibits are and talk with the many vendors that help us to provide this conference each year for Maine educators. While you're there check out the display of historical artifacts depicting the history of technology in Maine schools and ACTEM also in the exhibits area.



MAINEducation 2012 Conference will be my last as conference chair. I have moved into a full time position with ACTEM that will still allow me to be involved with the conference, just in a different role. Craig Dickinson, ACTEM's Business Manager is also retiring this year and has been a critical, figure in MAINEducation's growth and success *(see page 26)* these past years. Thank you Craig!

I began my tenure as conference chair in 2006 when John Lunt and former ACTEM Business Manager, Betsy Caswell retired as conference co-chairs. During this time MAINEducation has grown into a two-day conference and has become a popular annual event for Maine educators. The conference has brought many national leaders in technology and education to the state to inspire and teach our Maine educators.

I hope you enjoy the conference, find time to connect with friends and colleagues and find something that sparks an idea or interest that you can bring back to your schools and classrooms on Monday.



MAINEducation 2012
Conference Chair

P. S. Mark your calendars now for MAINEducation 2103 on October 10 & 11, 2013

CONFERENCE SCHEDULE

Quick Glance

THURSDAY

8	Registration
9-12:00	Morning Workshops
12-1:30	Lunch in auditoium
1:30-4:30	Afternoon Workshops
4-6	Vendor Reception
6	Educator of the Year Banquet

FRIDAY

7	Registration
8	Opening Session & Keynote: *2nd floor*
9:15-10:15	Session 1
10:15-11	Morning Break Vendor Time & Door Prizes
11-12	Session 2
11:30-1	Lunch Served
12:10-1:10	Lunch Sessions
1:20-2:20	Session 3
2:30-3:30	Session 4
3:35	Closing Session Door Prizes

2012 CONFERENCE COMMITTEE

Gary Lanoie, *MAINEducation 2012 Conference Chair*
Craig Dickinson, *ACTEM Business Manager*
Crystal Priest, *ACTEM Past President, SAD #4 - Guilford*
Michael Richards, *ACTEM President, Wells Ogunquit CSD*
Alice Barr, *Yarmouth Schools*
Elaine Bartley, *UMaine Adjunct Instructor*
Maya Crosby, *Lincoln Academy*
Cynthia Curry, *Educational Consultant*
Barbara Greenstone, *Boothbay Harbor Schools*
Rachel Guthrie, *Southern Maine Community College*
Dennis Kunces, *Maine DOE*
Peter Mullen, *Windham/Raymond Schools*
John Newlin, *Maine International Center for Digital Learning*
Cheryl Oakes, *Wells Ogunquit CSD*
Heather Perry, *Superintendent of Schools MSAD 3*
Jaime Steward, *MSAD #74*
Vincent Vanier, *Madawaska Schools*

Christopher Tully

Apple Distinguished Educator

After spending most of my life searching for my niche in the television and film industry, both in front of the camera as well as in production, I learned in several months what my true calling was. In the Fall of 2000, I left the industry to become a high school teacher. My career began at Roxborough High School in the Philadelphia School District. It was here that I learned how to persevere through the many challenges an educator can face. I was met with opposition from fellow teachers, thrust in a classroom with no training and/or guidance, and asked to teach video production with outmoded equipment that did not function properly.

On my first day as a teacher, I received a phone call explaining that the Philadelphia School District was on strike and that I was not to report to work. In one day I went from producing the Pennsylvania Derby to being a teacher on strike. Fortunately, it was a one-day strike and the following day I was standing on the doorstep of the high school. Within the first year, I managed to rebuild the program's existing studio with donated equipment, secured several grants to purchase new equipment, and cleared out several rooms of old storage to create an office and classroom. However, I struggled with managing the classroom and delivering curriculum, while going to graduate school, freelancing in the industry and being a new father. The first year was a challenge, but I anticipated what the next year would bring. Within the second year, I started to become more confident with managing the classroom, developing curriculum and assessments, as well as creating meaningful projects.

In the summer of 2002, the Administrative Director of Middle Bucks Institute of Technology (MBIT) approached me at a conference where I was presenting the work of my amazing students. He mentioned to me that he was looking for someone to revitalize his Communications program and had the funding to build "something extraordinary." Although the decision to leave Roxborough and the awesome students I taught filled me with trepidation, I felt that this might be the opportunity to build something more than I could ever imagine. Within the first year at MBIT, the Director and I researched equipment, and met with builders and television networks to be sure that we were in-line with industry standards. I was sent to the National Association of Broadcasters (NAB) Conference to meet with manufactures, participate in professional development, and network with others. By the end of the year, I was provided $250,000 to build a new TV studio, recording studio, Apple Macintosh computer lab and an interactive classroom.

That following year was unlike anything I have ever experienced. I was now in charge of managing a classroom that encompassed every facet of the multimedia business with industry standard equipment. However, I was challenged with a classroom of students that couldn't see the benefit of the environment that I had created, and couldn't see the opportunities that lay ahead. After years of trying different teaching strategies and providing endless opportunities for students to gain "real world" experience, I now believe I have built that "something extraordinary."

FRIDAY
Tully presents "Empowering Students: Digital Course Management: iTunes U Course Manager" from 9:15-10:15 and "Students as Authors" from 1:20-2:20

ACTEM & MAINEducation Conference
A Historical View

By Peter Mullen, RSU 14 *Portions reprinted from John Lunt's 2002 historical account published in The Electronic Educator*

Welcome to the 25th annual MAINEducation Conference. While it takes the effort of many people and many hours to make your day memorable, that is just a small part of the history of this day and of the organization, ACTEM, that makes it possible. As is often done with milestone anniversaries, it is important to look back in order to appreciate the number of people, and the evolution of ideas and technology that were all part of the journey that brought us to where we are.

The 1980s

Back in the 1980's there were a number of (then) "Computer Coordinators" in the state working away, largely by themselves. These were the years when Apple IIes were widely used along with a diverse collection of TRS-80s, Amigas, and Commodore 64s, with some folks on the cutting edge of graphics work with Commodore 128s!

Cathy Glaude, Doris Ray & Dennis Kunces (back) at a professional development training in Machias, ME 1988

In 1985 and 1986, the Maine Department of Education produced statewide "Maine Computes" conferences with MDOE staff members Richard Riley and Dennis Kunces responsible for the details. The Auburn-based Center for Educational Services (often called "The Center") assisted with planning.

During these early years, the one organization that brought together a number of coordinators was the Maine Computer Consortium (MC²), a project directed by Doris Ray and Cathy Glaude from The Center. Membership in MC² provided a number of benefits, not the least of which was access to the MECC collection of software, a library of which was available at The Center. Carl Ouellette (Caribou) also had a library of that software that was used by those in The County, and Betty Jordan had one in Washington County. Members could bring their own floppies and plan on spending a chunk of time making copies of the software. This provided many schools with their first legal software collections, as it was possible to provide a copy for any teacher upon request.

In 1987 The Center took over the Maine Computes Conference with MDOE serving as a partner. The final "Maine Computes" conferences produced by MC² that evolved into MAINEducation were held in two locations, Bangor and South Portland. "We did a lot of hauling that year," recalls Dennis Kunces of the DOE. There were only 10 days between the two events.

"The Conference became MAINEducation in 1988 after Apple's Bill Morton shared with The Center Advisory Group how Apple supported conference efforts in Vermont," according to Dennis Kunces. "I remember a fancy glossy program that had us in awe."

MC² also held several meetings each year, creating opportunities for early networking among coordinators. The roundtable discussions held at these meetings undoubtedly laid the foundation for the similar discussions held at present ACTEM meetings. "There was lots of commiseration during these discussions," recalls Doris Ray. "I remember a story of one computer teacher-coordinator (in those days this was common) who told me that he was teaching a class in Pascal programming--and he was very hopeful for the next school year: HE was going to get a computer to use in his class!"

MC² ended in the early 1990's with John Lunt (Freeport) as its last Director.

It was during the late 1980s that a very active group of computer coordinators in York County started meeting. As former Director of MC2 and still with the Center, Lunt was invited to participate in those meetings and he recalls key figures in the York group included Bob Stackpole (Waterboro), Diane Wedgewood (Hiram), the late Tim Loughlin (Saco), Gary Seekins (Kennebunk), and Roni Emery (York). As word of the York meetings spread, there was increasing interest in participation by others in the general geographic area, and the York group grew beyond its county beginnings. This was the seed that would eventually grow into ACTEM.

The first step in this process resulted in the decision to hold the expanded group's meetings in Augusta. Dennis Kunces secured meeting space and the group's

membership expanded. To this day, Dennis continues his generous donation of time and effort in many different ways including overseeing our Professional Development Program since its inception in 1999. Increasingly it was recognized that the support that could be provided by a gathering of coordinators was incredibly helpful to each when they returned to their districts. As the group that had started in York County was evolving, it was not without some stress. One of the biggest issues was whether the group should be exclusively for computer coordinators or if it should be expanded to include others. The majority then attending meetings chose to have a broader membership, but that was not accomplished without disappointment for some who felt that the expansion distorted the idea that had originally brought coordinators together.

1990s

The new group continued to meet in Augusta, playing a significant role in the DOE discussion about certification for technology coordinators. In the forefront of this was Bob Stackpole, who acted as the chair of the group, Enga Stewart, then coordinator in Augusta, Jeanne Mukai from Skowhegan, Diane Wedgewood from Hiram, Bob and Diana Sommers from Wiscasset, and certainly others. At the quarterly meetings it soon became apparent that we wanted and needed more organizational structure, and so began several years of work to establish both a name, a constitution, and non-profit status.

It was no easy matter to come up with "ACTEM." At first there was much discussion of the distinction that needed to be made between technology education and computer technology education. That was finally settled by including both computer and technology in our name. Larry and Marylou Ryan (Wells), were most convincing in their work to avoid making the name of the organization too narrow. With a name settled, we next began work on writing a constitution with the goal of incorporation in the future.

Bob Stackpole continued to chair the newly named ACTEM, with Liz Thayer serving as Treasurer. Liz also was the one to start some software reseller options, and part of the income ACTEM made on that went to compensate her for her time. The writing of the constitution took a long time and many meetings. Bruce Sawyer hosted a particularly productive constitution-writing session in Hampden and provided considerable help with language. The Constitution, adopted in 1995, has seen amendments added in 1997 and again in 2000, with by-laws adopted in 2001. Periodic by-law changes have been adopted through the years, the latest in 2012 involving the newly created title of Executive Director/Business Manager.

In 1996 Bob Stackpole stepped down as President, having effectively nurtured the new organization through its early years. During his tenure, ACTEM evolved from a loose, informal meeting of local area coordinators into a state-wide association of both coordinators and others with an interest in K-12 instructional technology. At the 1996 annual meeting, held that year in Caribou, John Lunt assumed the ACTEM presidency and relinquished his position as President of MaineNet, a FirstClass email and BBS system hosted by the Maine Center for Educational Services that electronically connected a number of school districts throughout the state.

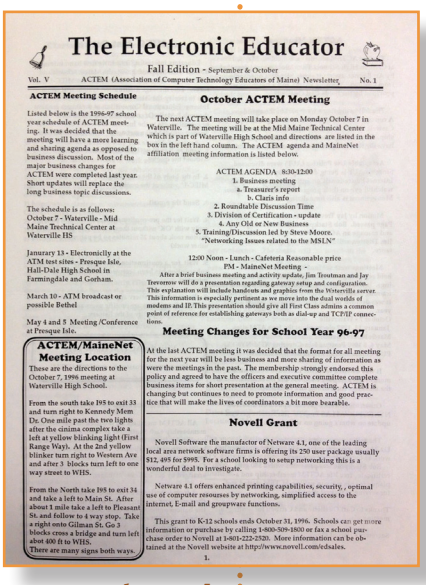
In the years that followed, ACTEM continued the growth that was started by Bob Stackpole. The work that was begun on incorporation was finally completed under the direction of the new Business Manager, Betsy Caswell. The importance of the new Business Manager's role in the association was formalized in the late 1990's by establishing a contractual arrangement. In the years since becoming Business Manager, Betsy was always on the lookout for opportunities. When the Claris software reseller agreement was dissolved, Betsy pursued an agreement with Microsoft. In addition, working with the University of Maine, an agreement was concluded with Microsoft which provides ACTEM school system members with the maximum discount available on their products. This was only possible for Maine by combining the K-12 volume of ACTEM with the volume UMaine had at the college level. Business Manager Craig Dickinson worked with Kevin Carr of UMS to renew Microsoft agreements in 2006, 2009 & 2012. "ACTEM has been especially fortunate to have the strong support of Kevin Carr and the UMS System and the Orono-based Computer Connection managed by Derek Husson and assisted by Andrew Farnham," Dickinson emphasized.

Robert Stackpole, ACTEM's first President

One of the pressing interests of ACTEM in the 90s was wider name recognition. It was believed that the organization offered a great deal, but that too few people even knew it existed. To address that, ACTEM worked to secure affiliate status with both MEA (Maine Education Association) and with ISTE (International Society for Technology in Education). The

John Lunt and Betsy Caswell at the MAINEd conference

MEA affiliation provided ACTEM with a forum distributed to MEA members throughout the state. The ISTE affiliation provides ACTEM members with a discounted membership and access to research related to technology in schools as well as the connection with a highly regarded technology association.



The Electronic Educator

Fall Edition - September & October

Vol. V ACTEM (Association of Computer Technology Educators of Maine) Newsletter, No. 1

ACTEM Meeting Schedule

Listed below is the 1996-97 school year schedule of ACTEM meeting. It was decided that the meeting will have a more learning and sharing agenda as opposed to business discussion. Most of the major business changes for ACTEM were completed last year. Short updates will replace the long business topic discussions.

The schedule is as follows:
October 7 - Waterville - Mid Maine Technical Center at Waterville HS

January 13 - Electronically at the ATM test sites - Presque Isle, Hall-Dale High School in Farmingdale and Gorham.

March 10 - ATM broadcast or possible Bethel

May 4 and 5 Meeting /Conference at Presque Isle.

ACTEM/MaineNet Meeting Location

These are the directions to the October 7, 1996 meeting at Waterville High School.

From the south take I95 to exit 33 and turn right to Kennedy Mem Dr. One mile past the two lights after the cinima complex take a left at yellow blinking light (First Range Way). At the 2nd yellow blinker turn right to Western Ave and after 3 blocks turn left to one way street to WHS.

From the North take I95 to exit 34 and take a left to Main St. After about 1 mile take a left to Pleasant St. and follow to a 4 way stop. Take a right onto Gilman St. Go 3 blocks cross a bridge and turn left about 400 ft to WHS. There are many signs both ways.

October ACTEM Meeting

The next ACTEM meeting will take place on Monday October 7 in Waterville. The meeting will be at the Mid Maine Technical Center which is part of Waterville High School and directions are listed in the box in the left hand column. The ACTEM agenda and MaineNet affiliation meeting information is listed below.

ACTEM AGENDA 8:30-12:00
1. Business meeting
a. Treasurer's report
b. Claris info
2. Roundtable Discussion Time
3. Division of Certification - update
4. Any Old or New Business
5. Training/Discussion led by Steve Moore.
"Networking Issues related to the MSLN"

12:00 Noon - Lunch - Cafeteria Reasonable price
PM - MaineNet Meeting -
After a brief business meeting and activity update, Jim Troutman and Jay Trevorrow will do a presentation regarding gateway setup and configuration. This explanation will include handouts and graphics from the Waterville server. This information is especially pertinent as we move into the dual worlds of modems and IP. This presentation should give all First Class admins a common point of reference for establishing gateways both as dial-up and TCP/IP connections.

Meeting Changes for School Year 96-97

At the last ACTEM meeting it was decided that the format for all meeting for the next year will be less business and more sharing of information as were the meetings in the past. The membership strongly endorsed this policy and agreed to have the officers and executive committee complete business items for short presentation at the general meeting. ACTEM is changing but continues to need to promote information and good practice that will make the lives of coordinators a bit more bearable.

Novell Grant

Novell Software the manufactor of Netware 4.1, one of the leading local area network software firms is offering its 250 user package usually $12, 495 for $995. For a school looking to setup networking this is a wonderful deal to investigate.

Netware 4.1 offers enhanced printing capabilities, security, , optimal use of computer resources by networking, simplified access to the internet, E-mail and groupware functions.

This grant to K-12 schools ends October 31, 1996. Schools can get more information or purchase by calling 1-800-309-1800 or fax a school purchase order to Novell at 1-801-222-2520. More information can be obtained at the Novell website at http://www.novell.com/edsales.

1.

An early edition of the Electronic Educator, Fall 1996

A major turning point for ACTEM came with the transfer of the MAINEducation Technology Conference from the Center to ACTEM. Since 1997, when Bob Shafto "passed the torch" at the last conference presented by the Center, ACTEM has sponsored this conference, the largest K-12, educational technology conference in the state. It has provided ACTEM with a funding stream that has allowed it to do a great deal more toward the stated mission. This can be seen in the Technology Educator of the Year award(s) program overseen in the past by Jan Kolenda (Marancook) and Holly Smevog (Cape Elizabeth), and now by Alice Barr (Yarmouth) and Cheryl Oakes (Wells-Ogunquit), as well as in our appropriation of money to be used by ACTEM members for professional development. The work of developing and producing a conference the size of MAINEducation was tremendously eased by the many years of experience Betsy Caswell and Dennis Kunces had with the conference. The conference in the 90s got high marks by participants and vendors, many of whom remarked on the amazingly smooth running of the whole event.

Diana Sommers, longtime Technology Director of Wiscasset Schools and key leader of the Marco Polo grant & initiative for ACTEM

ACTEM was instrumental from the beginning regarding electronic communication between schools as well as putting technology to use in education. At one point, the organization absorbed MaineNet which was a network of Maine schools. ACTEM provided the server and became a primary hub allowing schools throughout the state to communicate electronically before Internet access was available.

As with making the MECC software library available to Maine students before, ACTEM continued to live up to it's mission by becoming a State Partner Organization of MarcoPolo. This program of free Internet Content for the Classroom proved to be a leader among its competitors for its extremely high quality partnerships whose content is worked into lessons freely available on the Internet. As the State Partner, ACTEM wrote and received funding for two grants, one to coordinate free MarcoPolo training throughout Maine, with the goal of reaching all schools in the state, and the other funding the coordination of the MarcoPolo lessons with the Maine Learning Results. Diana Sommers (Wiscasset) was the State Administrator for the training grant; Holly Smevog (Cape Elizabeth) was the State Coordinator for the correlation/web grant.

John Lunt recalls, "Early in our involvement with MarcoPolo, Diana Sommers and I went to a gathering of MarcoPolo coordinators in Washington D.C.. I recall the incredible envy expressed by participants who heard that Maine was very close to providing a legislative commitment to what would become MLTI. One-to-One seemed, at that time, so far removed from possibility for most everyone, and we even had our fingers crossed. Even at that point in the process (it was not yet finalized), Maine was becoming a subject of conversation among technology educators. This only presaged the recognition that Maine would receive once MLTI was implemented."

After several years of trying to encourage students to design a logo for ACTEM and not finding one that reflected our association, we contracted with a graphic artist who worked closely with us to design one. The elements of the logo, the state of Maine, network cabling, and a schoolhouse reflected three key elements of ACTEM.

In the 1990's, recognition of ACTEM's statewide representation came with an invitation to participate in the discussions which led to the creation of the Maine School Library Network. MSLN as it became to be called was the backbone of the network that connected a vast majority of schools and libraries in Maine to the Internet and put Maine out in front with this access. MSLN, and it's successor, Networkmaine still allows the students of our state fast and reliable Internet access.

2000~2005

If there was any doubt remaining about ACTEM's clout and reputation, it was erased in the summer of 2000, when Governor Angus King invited ACTEM to be represented on the Maine Learning Technology Endowment Task Force. ACTEM's participation at the state level has continued through representation during the contract negotiations with Apple and with an appointment to the Maine Learning Technology Advisory Board. Not only have these provided an opportunity for more to be aware of our association; it has allowed the concerns of those who will have a significant role to play in the implementation of the laptop plan to be heard.

The result? The revolutionary MLTI project that is entering its 11th year providing technology to

all 7th-8th graders in Maine, many high school students, and teachers in grades 7-12, a program that draws attention from all over the world.

ACTEM continues to play a vital role in the MLTI program at all levels. From the DOE to the individual techs and integrators in the schools, the ACTEM Listserve and other levels of communication enable people from all over the state to act as a single, tight-knit community looking for best practice and solutions to problems.

2002 also brought change to ACTEM itself. After six years at the helm, John Lunt stepped down as ACTEM President. He continued to co-chair the MAINEd Conference along with Business Manager Betsy Caswell. Gary Lanoie (Cape Elizabeth) became President of the organization.

As MLTI laptops started arriving at Maine schools, ACTEM started using the ATM remote video system to allow more people from all over the state to attend ACTEM quarterly meetings.

As technology proliferated throughout the state, there was also a call to find less expensive software solutions for schools. ACTEM was an early supporter of the FOSSed (Free and Open Source Software in Education) Conference as a partial sponsor for several years, and by providing professional development reimbursement for attendees. Founded by David Trask (Vassalboro), FOSSed celebrated their 10th anniversary conference at Gould Academy in July 2012.

In 2003-2004, ACTEM found itself offering support and advice and always promoting the success of education in Maine. It also found itself in the State House making its position known.

ACTEM President Gary Lanoie and Larry Frazier (Yarmouth) testified before a legislative committee against LD 29, an "Act to Eliminate the Telephone Service Tax Dedicated to Libraries and Schools." If passed, MSLN would have been in jeopardy, losing much of its funding.

In 2004, the MLTI program made its first attempt to expand into the high schools, and ACTEM was there to lend support and advice. While it was a struggle to reach a consensus, eventually one was reached and a letter was sent to the legislature.

2004 also brought a change to the MAINEd Conference. For the first time, a second day was added but not in the form currently used. That year Saturday was added to the program for students in grades 6-12.

ACTEM then entered a phase of internal contemplation and many changes, most of which have led to the strong, vibrant, and energetic organization we enjoy today. Behind the scenes, a group led by President Gary Lanoie drafted a strategic plan for the future of the organization. The plan focused on three areas: Communication systems, professional development, and organizational structure. In addition, ACTEM further defined its mission "To enhance and influence education in Maine through the use of technology."

The face of the organization changed greatly as well. John Lunt and Betsy Caswell retired as co-chairs after the 2005 MAINEd Conference and Caswell stepped down as Business Manager as well in January 2006. In addition, Gary Lanoie finished his four-year stint as ACTEM President.

2006~2012

Vincent Vanier (Madawaska) took over the president's chair as Gary Lanoie moved into the conference chair slot and Craig Dickinson became the new ACTEM Business Manager. Dickinson, a longtime educator in the Orono area, was well known to many in Maine as the face of Woodpile Software out of Moody, Maine. The ACTEM office was moved from Betsy's home in Auburn to Craig's in Moody. Gary Lanoie engineered a transfer and expansion of the ACTEM website to FirstClass.

"I asked (Craig) if he would be interested in applying to become ACTEM's new Business Manager," recalls Vanier. "I think you could've knocked him over with a feather. Not only did Craig know the educational software scene in Maine, but he also had years of experience running his own business and attending MAINEd. Apparently this was really good timing for Craig, as he fit the bill perfectly."

In '04 ACTEM hosted a Student Conference the Saturday after MAINEducation Pictured are students from Cape Elizabeth along with chaperones Holly Smevog & Rachel Guthrie

MAINEd saw many changes in 2006 as well under Lanoie's able leadership. With the exception of 2004, the conference had always been a one-day affair. October of 2006 saw the event begin on Thursday with a small offering of pre-conference workshops. That was the start of what is now two full days of the conference. Membership became a part of conference registration in 2006, and ACTEM members doubled from 365 in June to 750 by the end of the year.

In addition to expanding into Thursday, the first annual awards banquet to honor the Educator of the Year winners was held. It was also the renewal of bringing national keynote speakers for Friday morning as well as for presenters during the day. The national keynote the conference attracted in 2006 was David Warlick. It was with this in mind that he agreed to come back in 2012 for the 25th.

There was a lot going on in Maine schools in 2006 as well. The lease was up on the first round of MLTI devices, the G3s. With the

actem Association of Computer Technology Educators of Maine

The mission of ACTEM is to enhance and influence education in Maine through the use of technology.

A strategic plan developed for ACTEM in 2005 developed the mission and plan for the future of the organization

ability of schools to purchase the devices as well as receive MLTI II computers, the G4s, the amount of technology available to students in the state grew exponentially. And ACTEM was there to help in the transition.

Over the summer of 2006, ACTEM and the Maine Learning Technology Foundation established a partnership to offer low cost RAM for the first round laptops to help extend their usefulness. "Tara Maker and Jim Dwyer of Apple and I met with Angus King in Portland in early June, and Angus proposed a matching grant initiative to cover half the cost of upgrading for schools," Business Manager Dickinson remembered. ACTEM shipped nearly 15,000 chips to 110 districts and schools and provided 4,600 Apple OS license upgrades at reduced pricing.

Vince Vanier and Angus King in 2006 put together a deal through ACTEM and the Maine Learning Technology Foundation to offer schools reduced pricing to buy RAM for the first round MLTI iBooks
PHOTO: ALEXEY SHLYK

"In the beginning of my first year as President," said Vanier, "ACTEM decided to serve as purchasing facilitator for upgrading the first round of MLTI devices. Those IBooks were a little light in the memory department and many needed upgrades to OS 10.4 (Tiger) ACTEM decided to take orders on vast quantities of RAM to upgrade units. Before long, we had nearly 15,000 units of RAM being delivered to and stored inside of Craig's garage!"

Dickinson expanded advertised software offerings from five to over 20. ACTEM aggregated $125,000 of FirstClass license purchases which translated into a 60% savings off list prices for those districts purchasing. In the first three weeks of July 2006, ACTEM invoiced over $1,000,000 in software and memory sales.

The Electronic Educator, ACTEM's quarterly newsletter also received new leadership in 2006. Rachel Guthrie (Cape Elizabeth) and now of SMCC creates the excellent publication to this day.

She also assumed the role of Graphic Designer for the organization and her work is everywhere on the conference program, posters, logos, exhibit displays and other items.

"For me, the July 2006 selection of Rachel Guthrie as Electronic Educator Editor and Board member during a meeting I attended with Vince Vanier and Gary Lanoie was a crucial moment in ACTEM history," Craig Dickinson noted. "Rachel's work continually boosts our image and helps us deliver our message."

As the sign of the maturity of the organization, ACTEM also took the step of creating the "John Lunt Friend of Technology" award in 2006. The award is presented periodically to honor someone who has furthered the mission of ACTEM and has been beneficial to the students of Maine. The first recipients of the award were Lunt himself as well as former Governor Angus King.

With the arrival of MLTI II also came the arrival of NoteShare, a software product that allows students and teachers to electronically share their learning. Taking advantage of this, ACTEM started hosting its own NoteShare server hosted by Crystal Priest (Guilford) allowing everyone across the state access to information stored there.

2007 was also MLTI's second attempt to expand into the high schools of Maine with the false start of 2004 a distant memory. With the middle schools still running G4's, the high schools received Intel powered MacBooks. ACTEM to the aid again as the organization aggregated an order for 1150 Parallels Virtual Desktop licenses for schools wanting to run Windows on these MacBooks.

As MAINEd celebrated its 20th anniversary in 2007 it was becoming clear we were outpacing the technology infrastructure of the Augusta Civic Center. This year was the low point for connectivity at the event as the network went down for 90 minutes. The Civic Center agreed to a proposal from ACTEM to provide 25 Apple Airports to improve connectivity during the conference as well as engage help from MSLN to increase bandwidth. The change helped immensely in future conferences. Trey Bachner (Falmouth, then Apple, now Portland) was largely responsible for the continued success of this initiative. It also made the Civic Center realize the importance of its network footprint. The Airports are gone and the ACC has made it a point to keep their network top notch on their own. MSLN/Networkmaine still gets creative regarding bandwidth for our two-day conference. Dave Norton (UMS) works closely with Augusta network specialists Fred Kahl and Mike Schriver to ensure the Civic Center network can handle the needs of tech-saavy conference attendees arriving with multiple devices.

ACTEM continued to broaden its scope and mission in 2008. Partnering with the Maine CITE Coordinating Center allowed the organization to provide purchasing consortium services aimed at expanding assistive technology and specialized software. With the ATM video

conferencing system nearing retirement, ACTEM applied for and was awarded a $374,000 RUS (Rural Utility Service) Grant to provide Maine K-12 schools and the UMaine system an improved videoconferencing infrastructure.

Professional development was also another area of expansion that continues today. Full day PackageMaker sessions were offered in Bangor, Falmouth, and Vassalboro in 2008. All 60 seats filled in advance.

And ACTEM's reach extended beyond the high bridge in Kittery. Dennis Crowe (Bonny Eagle and now Gorham) was named President of the fledgling New England ISTE (NEISTE) at a meeting hosted by ACTEM in Kennebunkport. NEISTE is a collection of technology organizations like ACTEM from around New England. Along the same lines, ACTEM was well represented at the worldwide NECC conference in San Antonio with 48 members in attendance.

The Presidency of ACTEM changed in May 2008 with Crystal Priest (Guilford) taking over for Vincent Vanier. Vanier continues to serve to this day maintaining the ACTEM Listserve, where there is considerable activity in the background on a daily basis. List membership in 2012 approached 800 and posts often top 500 a month. Vanier left the presidency with a record that still stands- driving 1600+ miles for ACTEM/ NEISTE events in a six-day period from his Madawaska home.

The conference continued to evolve as well. MLTI's Bette Manchester arranged for teams of Google Earth and Google SketchUp experts to play a vital role in MAINEd 2008 conference presentations and on the exhibit floor. The first "Vendor's Reception" to open the exhibits was held Thursday afternoon and then lead into the awards banquet. At the banquet, Floyd Calderwood (Hampden Academy) received the John Lunt Friend of Technology award. Calderwood was the face of Clarisworks/AppleWorks for educators in Maine and also has the distinction of teaching with Stephen King. There is even a character (albeit short-lived) named Floyd Calderwood in King's novel, "It."

2009 saw ACTEM membership reach an all-time high of 935 individual memberships and 149 institutions. The camaraderie of the statewide organization was never more evident than when 48 members boarded a bus provided by CDI & CBE Technologies and headed to Washington DC for NECC 2009 in late June. A grateful troupe, thanks to Kannon Communications, headed to Baltimore to see the Red Sox defeat the Orioles.

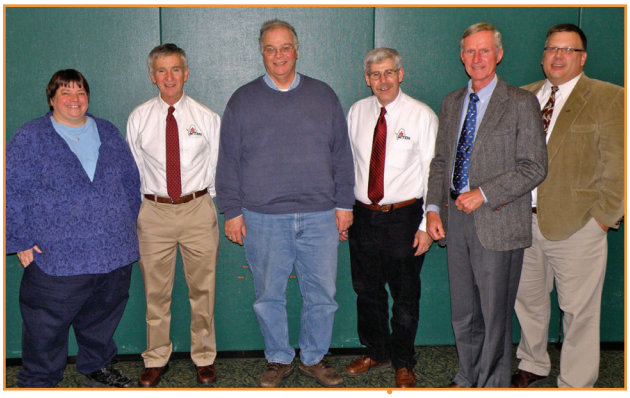
Three weeks after returning from Washington, Crystal Priest instituted a two-day "Board Retreat" for long-range planning, a tradition that continued the next three years. "ACTEM is a very unique organization, more like an extended family in many ways," Priest says, recalling the laughter and productivity of the Retreats she presided over.

The RUS Grant program continued to expand as the organization was awarded $997,000 from the USDA Rural Development's Distance Learning and Telemedicine Program. Equipment from these two grants was delivered to almost 50 school districts, the Maine State Library, and the UMaine infrastructure.

Professional Development continued to be a priority for the organization. PD reimbursement topped $20,000 for the year. Laura Girr (Freeport) hosted the first Technology Integrators regional meeting at Freeport High School. In 2009, MAINEd hosted a national "Google Workshop for Educators" co-sponsored by ACTEM and CUE (Computer Using Educators).

2010 was a notable year for long time ACTEM members and supporters. Diana and Bob Sommers (Wiscasset), two of the founders of the organization, received the John Lunt Friend of Technology award at the award banquet that year. Deb White (Orono), and ACTEM Teacher of the Year award winner was named the ISTE Kay L. Bitter award winner honoring excellence in technology based pre-K2 education.

ACTEM sponsored a bus trip for members to the 2009 NECC conference in Washington DC



ACTEM Presidents along with Craig Dickinson, ACTEM Business Manager. l to r Crystal Priest, Craig Dickinson, Robert Stackpole, Gary Lanoie, John Lunt and Vincent Vanier

And ACTEM board member Alice Barr (Yarmouth) was among the final five nominees for Maine Teacher of the Year.

ACTEM's professional development and mission to provide technology education to the students of Maine also surged forward. Shawn Kimball (Hampden Academy) hosted the first Eastern Maine Integrators meeting. Regional trainings were held around the state for teachers sponsored by ACTEM and CBE. ACTEM sponsored and President Crystal Priest presented at the state STEM (Science, Technology, Engineering,

Mathematics) Summit.

At the classroom level, two initiatives were launched. The first MARVEL Challenge was created to give a glimpse of the powerful research tool (MARVEL) that all students in Maine have at their fingertips. Led by ACTEM Treasurer Andy Wallace (South Portland), and Peggy O'Kane of the Maine State Library, a scavenger hunt was created to put the tool to use. Over 1500 students in 35 schools participated.

ACTEM also teamed with the MLTI project to sponsor the first "WatchMECreate" middle and high school video contest titled "WatchMEGraduate." Students were challenged to use the multimedia tools available on every MLTI device to get creative.

2011 saw the faithful board the bus again and head south in June. This time for ISTE 2011 (Formerly NECC) in Philadelphia with Stacy Alvarez (Freeport) ably serving as "Bus Mom." It seemed like old hat to the experienced travelers and many ventured to Citizen's Bank Park to see the Red Sox again. The results were not the same as in Baltimore.

The WatchMECreate and MARVEL Challenge initiatives were launched again and Moodle trainings by Sharon Betts (Leavitt) and Anne MacDonald (Falmouth) drew 50 members. ACTEM-sponsored half-day and full-day onsite workshops for developing distance learning programs, and training teachers were offered to individual schools. ACTEM also provided forty $75 scholarships to the MLTI Summer Institute at Bowdoin College, and thirty Integrators gathered at Colby College in Waterville in February for the first Tech Connect Conference.

The 24th annual MAINEd Conference added a couple of twists. One was on the program; one wasn't. For the first time, there was a closing keynote. High school senior Chris Jones (Oak Hill) gave a spirited presentation that gave us all a glimpse of the MLTI program and technology in general from the perspective of an 18-year old.

The unplanned aspect of the conference was the passing of Apple's Steve Jobs a week before the conference. In tribute, many attendees honored the icon by wearing his trademark black mock turtleneck, jeans, and sneakers.

How valuable and well known are ACTEM members? A Google film team spent a week in Wells High School with ACTEM board member Cheryl Oakes. The YouTube video titled "Cheryl and Morgan: Learning Independence" received over two million hits.

2012 is the year for anniversaries and change in

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ACTEM. Business Manager Craig Dickinson announced his intention to retire at the conclusion of this year's MAINEd Conference. That put a lot on the plate of the ACTEM Board over the past year. In the process of defining who they were looking for to replace the irreplaceable Craig, they decided to rename the position; and this summer former President (and chairman of the last seven conference committees) Gary Lanoie became the first ACTEM Executive Director/Business Manager, and ACTEM's first salaried employee. The ACTEM office, which had always been operated in the contracted Business Manager's home, moved into rented commercial space in Gorham large enough to provide potential training opportunities.

In addition, Crystal Priest concluded her four years as President and turned the reins over to Michael Richards (Wells-Ogunquit). "I've learned so much and have gotten to know so many interesting people, "Crystal wrote in the newsletter. "Thank you all for making a difference." Angus King emailed congratulations to be delivered to Crystal noting her "incredible dedication to Maine kids" and called her "...one of the best educators I've ever encountered."

Professional Development continues to be strong with ACTEM sponsoring "EdCamp: The Unconference" organized by Page Lennig (Waynflete) for a Saturday in March. Alice Barr and Mike Arsenault (Yarmouth) offered the ACTEM-sponsored "Google Apps for the School Community" full-day workshops in Yarmouth, Winthrop, and Ellsworth. Dennis Crowe in Gorham hosted a full day ACTEM-sponsored Rosetta Stone training. And in a real move toward 21st Century Learning, ACTEM and the Maine Principals Association offered several iPad trainings this year for administrators where attendees had the option of including an iPad as part of registration. Andy Wallace, Shawn Carlson, Crystal Priest, and Jonathan Pratt prepared and delivered the trainings.

DOOR PRIZES
Friday closing session: 3:35 p.m. 2nd floor
You must be present to win

It is the 25th anniversary of MAINEd, the 10th of the MLTI program, and the 10th of FOSSed. Everyone who has worked to make these initiatives a success, both past and present, should be reminded of the opportunities they have helped provide the students of Maine and beyond. Thank you to everyone who has played a role in the past 25 years to allow us to stand where we do today.

Welcome again to the 25th annual MAINEd Conference. Thank you for coming. ACTEM's goal continues to be to provide the best professional development possible with the students of Maine reaping the benefits.

Author Peter Mullen of Windham-Raymond Schools is a long-time member of the ACTEM *Conference Planning Committee and coordinated the 25th anniversary museum. He is a frequent contributor to Electronic Educator, and since 2006 has written in-depth articles on* ACTEM *award winners.*

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CONTENT CREATION ON THE IPAD

The iPad is changing the educational landscape. Students can make movies, music and photographs. Teachers can put together professional-looking documents, presentations, and spreadsheets no matter where they are. And that's just the beginning. This hands-on session is designed for an existing iPad user who wants to get beyond basic applications. *Christopher Tully, Middle Bucks Institute of Technology, PA* **Fort Western**

MEET APPLE'S NEW iBOOKS AUTHOR, iTunes U & Course Manager

Teachers and students have been making books forever. Real publication brings out the best in all writers, and teachers know this. But what if the books could be digital? And what if they could include all types of media? Come see how easy it is build these books, and to view them on iPad. ◊ You probably know iTunes U as a rich collection of teaching & learning resources. The new iTunes U app for iOS allows access to iTunes U courses that can contain all sorts of content along with assignments and commentary. In addition, through iTunes U Course Manager, K-12 institution faculty can now create these courses independently. Come to this session to experience iTunes U & iTunes U Course Manager in action. *Jim Moulton, Apple Inc.* **Penobscot**

iWORK AT WORK

Apple's iWork is a powerful set of tools that allows users to practice 21st Century Skills that really matter -- creativity and innovation -- in purposeful ways. Because of the integrated way these tools work with each other and with other Apple tools, they allow teachers to promote, support, and model creative and innovative thinking in their classrooms - the technology becomes invisible, and your teaching and the students' learning shines through. Explore the fundamentals of Pages, Numbers and Keynote, engage in a conversation around how teachers like you can integrate these tools into your classroom practice. *Ann Marie Quirion Hutton & Tim Hart, MLTI Integration Mentors* **Kennebec**

GETTING COMMAND OF THE COMMAND LINE

We'll cover file structure, basic commands, simple scripting, and where to find more when you need it. The focus will be the Bash environment used by OS X and the Open 1-to-1 Ubuntu image. We'll adjust the session to fit the level of those attending it. *Tarik Sivonen, Wells-Ogunquit CSD* **Franklin**

COLLABORATION THROUGH THE USE OF INTERACTIVE VIDEO CONFERENCING Sponsored by CBE/Cisco

This session will focus on how individual & classroom interactive video from a variety of sources can be leveraged as a way of bringing educators together to collaborate with one another. One–to-one, one-to-many, or many-to-many, how can you use video? This interactive session will leverage the expertise of classroom teachers and our trainers to bring you ideas you can use in your classroom to foster collaboration through the use of interactive video conferencing. *Jessica Dunton, SeDoMoCha Elementary School; Brian Barrows, CBE Technologies & Dr. Lance Ford, Cisco* **Androscoggin/Aroostook**

INFOGRAPHICS IN THE CLASSROOM: A Broader Perspective on Data in Education

Our world experience is increasingly archived, indexed and measured, and this massive quantity of data has a story to tell. But numbers arranged in columns and rows is a foreign language to the human brain. Math courses teach us to manage numbers that come in the dozens. But when they are counted in gigabytes, then we need new ways to interpret the data, new ways to help them tell their story. ◊ We'll explore the topics of data visualization and infographics, perhaps the coolest thing happening on the Internet today. Participants will witness many examples of this unique intersection between content, mathematics and art, and learn how teachers and learners can utilize some of these techniques to make their world of numbers sing. *David Warlick, Keynote Speaker* **Cumberland**

NAVIGATING TOMORROW'S TECHNOLOGY TODAY

See what the future classroom will look like. It's more than interactive whiteboards and tablets – it's about digital content, integrating it into your routine and making the content available. Stream morning announcements, record classes for online viewing, and utilize interactive technology in class and at home by creating a classroom in the cloud. See how tablets should be incorporated and managed in a 1:1 setting – and why they probably won't be iPads. We'll answer the questions you have about tablets, Apple TV, interactive whiteboards, interactive projectors and software. See a technology roadmap with equipment that is virtually future-proofed and flexible. Decisions can be overwhelming when it comes to classroom technology: it's not about what the product IS, but what the product DOES. *Pro AV Systems, Inc.* **Howard**

Lunch at Noon in the auditorium sponsored by Vintage Tech RECYCLERS

GETTING THE MOST OUT OF YOUR GOOGLE DOMAIN

Google Apps offers a free set of communication, collaboration and productivity tools for education. This session will provide tips and tricks for managing workflow within a domain. *Kern Kelley, RSU 19* **Arnold**

101 DIGITAL CITIZENSHIP IDEAS FOR YOUR SCHOOL COMMUNITY

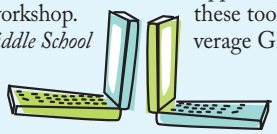
Okay, we may not have 101 ideas but there are lots of easy ideas to get your school and district to teach students, parents and teachers how to be more responsible and to protect their access to great resources. We will discuss Digital Citizenship needs of students and who in our school community can help. We will learn what works in schools around the country and in Maine and what does not work. You will learn creative ideas that you can bring back to your school. Start small and take one or two ideas back to your school or dive right in with a comprehensive plan! *Presenter: Teri Caouette, MLTI Integration Mentor* **Piscataquis**

USING TECHNOLOGY TO ENCOURAGE CONVERSATION

Have you ever wondered how you can use technology to encourage real and meaningful conversations between, and with, your students? In this session we will explore how a variety of interactive technologies can provide opportunities for students to have a stronger voice in conversations. Using technology to communicate has never been easier, so why not use it to encourage the development of critical reading, writing, speaking and listening skills, and in doing so capture evidence of learning? *David Patterson, MLTI Integration Mentor* **Sagadahoc**

DIGITAL FOOTPRINTS ePortfolios using Google Apps

In this hands-on workshop you'll learn how to create an ePortfolio using Google Apps. Participants will learn how to create websites (including a header), embed various gadgets and make a template. Participation in discussions about the uses and current trends of ePortfolios round out the workshop. *Gwyneth Maguire, Cape Elizabeth Middle School* **Somerset**



MAGNIFY & IDENTIFY MINIATURE MONSTERS IN YOUR CLASSROOM

A hands on based project learning biology/ecology unit of study to examine & identify pond and stream water macroinvertebrates. The conventional methods of technology and lab science are taken up a notch using several computer based digital technologies to enhance learning otherwise not possible (SAMR). Connect a video camera to the microscope through a laptop and project the image for all students to share. Use a webquest to guide inquiry & research. Produce a final multimedia project product in the form of a digital field guide using collected information, & recorded video clips & stills. Use Keynote or Powerpoint app to publish an interactive product. *Larry Cassis, Sedgwick Elementary School* **Waldo**

GOOGLE TOOLS IN THE CLASSROOM

As many schools transition to Google Apps for Education teachers are looking to use these tools in the classroom. Learn how to leverage Gmail, Google Calendar, Docs and sites in the classroom. *Mike Arsenault, Frank Harrison Middle School, Yarmouth* **Washington**

GOOGLE APPS FOR THE SCHOOL COMMUNITY

This session is for people that want to see how one district has put Google Apps for Education into practice as a platform for communication and collaboration. We'll discuss implementation, adoption, and how it is transforming our work. Time will be given to practice and use of the tools. *Alice Barr, Yarmouth High School* **York**

1:30-4:30 Thursday Afternoon Session then off to the awards banquet!

MAKING VIDEOS IN CLASS Imagine if you had the skills to create quality videos that were creative, meaningful and relevant. If you could play the role of facilitator as your students use creativity and innovation, communication and collaboration, research, critical thinking, problem solving, decision-making, concepts *and* technology operations to create videos that show mastery of content material and can later be used to help teach other students around the world. We provide the foundation for teachers to create quality productions to use in classes, while providing the skills to teach their students how to acquire information, create a video from conception to completion, and make it go viral. *Christopher Tully, Middle Bucks Institute of Technology, PA* **Fort Western**

20 COOL THINGS TO DO ON A SMART BOARD & LEARNING WITH THE iPAD Explore the newest and least known uses for a SMART Board. This session will explore 20 resources, some academic, some just fun. In a count-down format, we will delve into topics such as; Mixed Reality, Prezi, Ripping Flash, Recognizing Tables and more. Discover why educators all over the country are describing the the iPad as a revolutionary learning tool. We'll explore how the iPad can enliven and expand possibilities, learn how it's being used by teachers and students, play with Apps, and explore integration with technology such as the SMART Board, SMART Response, and Safari Montage's Digital Curriculum Presenter. *Bryan-St.John Schofield, Teq* **Howard**

GOOGLE TOOLS as a Learning Platform Google provides a free suite of online tools that are used by many students, teachers and school systems. This session covers many tips and techniques on how to get the most out of those tools from the perspective of administrators, teachers and most importantly students. *Kern Kelley, RSU 19* **Arnold**

MAIL ARCHIVA In this day and age, many schools are migrating to more cloud-based email systems such as Google Apps. The problem is that this makes archiving email a more difficult or more expensive situation. Archiving email is important for many folks in the education arena. We'll learn how you can leverage open source software to archive email for little or no cost! *David Trask, Vassalboro Community School* **Lincoln/Oxford**

iOS PLANNING, DEPLOYMENT & MANAGEMENT Are you preparing for a small or large iPad initiative? Join us for a look at best practices in planning, deployment and management. Topics: AppleIDs, iCloud, sync strategies, profile creation, Apple Configurator, iPhone Configuring Utility, Profile Manager, 3rd party MDM solutions, Apple TV & App Store Volume Purchases. If you're an IT Director, Tech Coordinator, IT Support, or iPad roll-out in your school, attend this highly informative presentation. The session will be more technical in nature, but there will be demonstrations and time for discussions so bring your questions. *Lars Ljungholm, Apple, Inc.* **Penobscot**

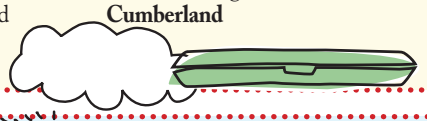
iLIFE IN ACTION Students need to be creators, not just consumers of media. Apple's iLife suite puts tools in the hands of teachers and students to do just that. Intuitive and easy to use, these tools make it easy to create quality products around your content, so attention and time remain focused on your curriculum and not on complex technical skills. In this session participants will gain fundamental skills with iPhoto, GarageBand and iMovie. And we'll maintain an ongoing conversation around how to integrate the tools and their possibilities into your classroom practice. *Ann Marie Quirion Hutton and Tim Hart, MLTI Integration Mentors* **Kennebec**

EMPOWER STUDENTS with a Customized Digital Toolkit In this hands-on session you'll gain knowledge of toolbelt theory, practice using free on-line tools for reading, writing, math, and study skills, and create a customized digital toolkit to empower students with improved skills and greater independence. *Beth Goodwin, Cheryl Oakes, Wells-Ogunquit CSD* **Hancock**

TURTLE GRAPHICS WITH BYOB (Build Your Own Blocks) Come learn about BYOB, an open source programing language suitable for elementary students. BYOB (UC Berkeley) is an enhanced version of Scratch (MIT). After an introduction to the interface you'll create, modify and run scripts. Majority of the session is hands on using sample lessons as guides. Your simple scripts will include moves, turns, loops, sizing and shapes. *Dean B. Zaharis, Cape Elizabeth School District* **Franklin**

REPURPOSE VIDEO CONFERENCING to Enhance your Curriculum Live interactive video is awesome, but you can repurpose it to record, time-shift and make available nuggets of material or student generated content. We'll look at how all the technical pieces come together for a true interactive classroom, at how to take computers, iPods, interactive whiteboards, etc. and integrate them into an interactive environment. Kick your coursework up a notch! *Jessica Dunton, SeDoMoCha Elementary School; Brian Barrows, CBE Technologies and Dr. Lance Ford, Cisco* **Androscoggin/Aroostook**

HARNESSING THE PERFECT STORM For decades, education has been easy to define. It consisted of acknowledged literacy skills, definable bodies of knowledge, and pedagogies for teaching willing students within information-scarce learning environments. Now, we question our notions about teaching and learning as we adapt to a world that is changing faster than our ability to react. We struggle to rethink what it is to be educated, to reinvent where and when it happens, and redefine our roles as educators as the line between teacher and student blurs. ◊ There is a new story to be told about education, one that is simple but complete and that can be described during a typical elevator ride. The story is a three bullet list that rises out of the perfect storm of converging conditions that are coming to define Learning 2.0. *David Warlick, Keynote Speaker* **Cumberland**



SCIENCE ABOVE THE LINE: Interacting With Data How can Maine science teachers design lessons that align with the new standards and spark deeper and richer understanding, as well as increase engagement and motivation? Using two applications on the MLTI image, EZ Screens and EcoBeaker, students can use inquiry to enhance their understanding of science concepts. A simple hands-on workshop where participants will get usable ideas for incorporating technology into their classrooms. PASCO's motion sensors will be used. *Phil Brookhouse, MLTI Integration Mentor* **Piscataquis**

YOUR WORLD, SHARED: Telling Local Stories with Digital Mapping Tools Students have an incredible capacity to discover and build knowledge of the local area, and use digital mapping tools such as ArcGIS Online and Google Earth. Share these stories with the rest of the world! We'll look at how to build a local geography by researching an area's history, economy and culture, and create stories that tell the story of the local area. The session will also explore how best to share these stories. It will be an active, constructive session, and participants will take away many ideas for developing a local studies curriculum with their students. *Jim Wells, MLTI Integration Mentor* **Sagadahoc**

TEACHERS TEACHING TEACHERS: THE ROLE OF THE TECH INTEGRATOR Tech Integrators have a unique role today. We are expected to develop and deliver learning opportunities for adults who are also our peers; this presents some new challenges. We will discuss strategies for engaging teachers in professional development, determining which skills to teach, and supporting teachers as they learn on their own. Participants will be encouraged to share their experiences, challenges, and successes as we learn from each other. *Barbara Greenstone, Boothbay Region Schools* **Somerset**

THE WIKIPEDIA OF MAPPING: Openstreetmaps! Openstreetmap.org is the most used online map in the world. Over 500,000 people are editing it. Learn how to be one of them and how to use it at school. *Kerry Gallivan, MSAD 75* **Waldo**

BECOME A DIGITAL CURATOR Learn how to use the Social Bookmarking Tool, Diigo, to bookmark, annotate, and share web sites from the Internet. Also learn how to leverage RSS feeds to make news stories, blog posts, and websites find you instead of you finding them. This session will prime you to "Become a Digital Curator." *Mike Arsenault, Harrison Middle School, Yarmouth* **Washington**

ACCESSIBILITY FEATURES OF APPLE IOS DEVICES AND MAC COMPUTERS - Sponsored by Maine CITE This session will explore the array of built-in, no-cost accessibility solutions available in Apple devices ranging from Macs to iPads. You'll learn how these features can be used to address the needs of those with sensory, learning and other disabilities, and how they can be combined to create truly personalized solutions for those with special needs *Sarah Herrlinger, Apple, Inc.* **York**

Friday Sessi

Schedule	Fort Western	Howard	Arnold	Lincoln / Oxford	Hancock	Penobscot	Kennebec	F
7:00 - 8:15 AM	Registration - Exhibits area ope							
8:00 - 9:00 AM	General Session & Keyn							
Session 1 9:15 - 10:15 AM	Customized Learning on the Cheap --- Dan Ryder & Jeff Bailey	Empowering Students Digital Course Management: iTunes U Course Manager --- Chris Tully	Poll Your Students with Socrative --- Michael Arsenault	Reaching All Learners Apple Accessibility in Education --- Sarah Herrlinger	The Next Step:Why a 1:1 Culture around technology leads to success --- Ben McNaboe	iPad in Education - Discovering the Possibilities --- Jim Moulton, Apple Inc.	Digital Tools for Improving Listening and Speaking Skills --- Barbara Greenstone	Ro for
10:15 - 11:00	Morning Break - Ven							
Session 2 11:00 - 12:00 PM	Hacking Classroom Instruction --- David Warlick	A 1:1 iPad Experience: A student perspective --- Andy Marcinek & Students	iPads: Year One - Grade One --- Sandy Warren & Terry Lincoln	Are your instructional materials accessible to all students? --- John Brandt	Students + School News + Wordpress = :) --- Maya Crosby	iOS Management & Deployment --- Lars Ljungholm, Apple Inc.	Your integration plan 2012-13 --- Laura Girr & Lisa Hogan	H Stu Lea Cat Julie
Lunch 11:30 - 1:00 PM	Enjoy lunch in the 2nd floor dining room (Augusta/Ca OR Pick up a bag lunch 11:30-12:30 in the back/middle							
Lunch Sessions 12:10 - 1:10 PM	Annual Geek of the Week Lunch Session --- Alice, Cheryl, Bob & Michael	DOOR PRIZES Friday closing session: 3:35 p.m. 2nd floor *You must be present to win*		Selling Your School's Off-Lease Apple Equipment ----- Vintage Tech Recyclers		Making it Real: Challenge Based Learning --- Jim Moulton, Apple Inc.		
Session 3 1:20 - 2:20 PM	Cultivating Your Personal Learning Network --- David Warlick	Students as Authors: iBooks Author --- Christopher Tully	Cross-Curricular Units using Google Apps --- Erin Davies & Hal Kingsbury	Touch and Grow-Young Children and iPads --- Bonnie Blagojevic & Hillary Brumer	Student Tech Teams - It's About Time --- Ed Brazee & Maya Crosby	What's New at Apple? --- Lars Ljungholm, Apple Inc.	Using Google Forms Beyond Simple Data Collection --- Laura Girr & Lisa Hogan	Ro Te Coo Sc
Session 4 2:30 - 3:30 PM	APPy Hour --- Crystal Priest	Best of the Web 2012 --- Dan Ryder & Jeff Bailey	Chatting Across the USA --- Cherrie MacInnes	Google Goes Special - Ed that is. --- Cheryl Oakes & Morgan Brewster	EasyBib in the Research to Writing Process --- Cathi Howell & Maya Crosby	Customized Learning in the Apple Environment --- Jim Moulton, Apple Inc.	Using Social Media to Enhance Writing Skills --- Barbara Greenstone	Ro In Sha
3:35 PM	Closing Session - Door Prizes! you must be pres							

on Schedule

Franklin	Androscoggin Aroostook	Cumberland	Somerset	Sagadahoc	Piscataquis	Waldo	Washington	York
n. Coffee & Pastries courtesy of Pro AV Systems								
ote Augusta/Capitol/Pine Tree 2nd floor								
ound Table Tech Leads --- Jim Crick	Using Tablets and other Devises to support Collaborative Learning --- Dr. Lance Ford CBE/Cisco	Kinda Flipping Out - another way to differentiate! --- Mike Hagerty & Morgan Cuthbert	Integrating Technology for our Youngest Learners --- Nadene Mathes	Leadership for School Change --- Mike Muir	Audio Books in the Digital Age --- Cathy Potter	Introducing FirstClass Communities --- Gregg Kaloust Kannon Communications	Lego Robotics Startup --- Jaime Steward & Tom Callahan	Customizing Learning for ELL Using iPads --- Laurie Andreades & Sue Chevalier
dor Time & Door Prize - Exhibits Area								
How Tech elped 125 dents Complete Service rning Project --- ie Wooten & e Hutchinson	Resources available to Support Collaborative & Distance Learning ---- Dr. Lance Ford & Jeff Mann CBE/Cisco	Using Students as Tech Support --- Kristopher Redman, Nokomis HS	Caption That --- Cynthia Curry	The 21st Century School Library --- Abigail Luchies & Laura Phelps	Flipping the Classroom with iTunes U --- Jonathan Pratt	Techno Art --- Marguerite Lawler-Rohner	iPad Finesse! You've Got It, Flaunt It! --- Janet Welch, Robin George & Sonja Johnson	Positive Change for Student Behaviors in Elementary Schools --- Benjamin Sirois & Vincent Vanier
pital/Pine Tree rooms) or in the Exhibit Hall dining area (11:30-12:30) **of the Exhibit Hall or in the north stairwell first floor and attend a session.**								
	Alternative Funding Strategies --- Jeff Mann, CBE Technologies				PowerSchool Users Group --- Lynne Moulton & Nate Barnes		Infinite Campus Users Group --- Dennis Crowe	
und Table: echnology ordinators / Directors --- cott Nason	Data Center in Education: Building a secure & flexible infrastructure for years --- CBE Technologies	Animation with Keynote and Acorn --- Anne Marie Quirion-Hutton	Digital Footprints: Personal Branding on the Web --- Jeff Whipple	Maine Virtual Learning Consortium --- Kern Kelley & John Newlin	BYOD & iPad/ Android class Mgnt. Anytime anywhere access with Stoneware's Unified Cloud --- Razzaboni & Menasian	Student Broadcast Teams --- Nadine Donnell, Alice Rose & Eric Lawson	Student Networks and Curation --- Thomas Steele-Maley	Inspiring Discussions Beyond the Classroom --- Mandy Lewis & Anne Tommaso
und Table: Tech ntegrators --- awn Kimball	Go on a Virtual Fieldtrip Exploration with CILC! - --- CBE/Cisco	One-Hour Game Design --- Tim Hart	Common Sense Media: Digital Passport --- Kate Greeley & Teri Caouette	The Perfect Storm: Weather, Research, Google Sites and 66 Sixth Graders --- Katie Legere & Laurie Rule	Instructional Strategies & Tech Apps Aligned to Common Core Math --- Peter Tierney-Fife	Just Imagine --- Lynn Mayer	Show Me the News! --- David Davis & Nada Lepper	Technology Tools for Differentiation --- Cathy Wolinsky & Kate Parkin
sent to win! Augusta/Capital/Pine Tree rooms ,2nd floor								

Friday Session One

CUSTOMIZED LEARNING ON THE CHEAP As customized learning grows in popularity across Maine, so do the demands of finding affordable tech resources to help make it a reality. Participants in this session will explore, discuss, and share free and cheap web-based resources specifically geared toward supporting the principles of customized learning. *Dan Ryder & Jeff Bailey, Wicked Decent Learning* **Fort Western**

EMPOWERING STUDENTS - DIGITAL COURSE MANAGEMENT: iTunes U Course Manager This session will deal with the practical use of iBooks Author and iTunes U in the classroom. Featured examples and the success students and I have had this past year creating books and courses will be provided. *Christopher Tully, Middle Bucks Institute of Technology, PA* **Howard**

POLL YOUR STUDENTS WITH SOCRATIVE Many educational technology gurus suggest using expensive clicker-style polling systems. Come learn how to improve your formative assessment skills using the free resource, Socrative. Works on any Internet connected device. *Michael Arsenault, Frank Harrison Middle School, Yarmouth* **Arnold**

REACHING ALL LEARNERS - APPLE ACCESSIBILITY IN EDUCATION For more than 20 years, Apple has provided new and innovative solutions for people with disabilities, allowing them to access and enjoy using the Mac, iPod, iPhone, and Apple TV. Apple includes assistive technology in its products as standard features at no additional cost. During this session, we will be exploring the many ways Apple has implemented accessibility features into its hardware and software offerings and examine ways to use these features for an array of students. *Sarah Herrlinger, Apple, Inc.* **Lincoln/Oxford**

iPAD IN EDUCATION - Discovering the Possibilities - Apple., Inc The iPad is a revolutionary device for browsing the web, teaching reading and language arts, engaging with mathematics and science in new ways, addressing ESL, providing remediation instruction, watching videos and movies, listening to educational podcasts, reading e-books, providing accessible education to diverse learners, and much more. iPad's Multi-Touch™ screen lets students physically interact with applications and content. The iPad's cameras and ability to project wirelessly through Apple TV make it even more capable in the classroom. Breakthroughs in iBooks Textbooks and iTunes U bring engaging content to a whole new level. This session will demonstrate the iPad and discuss it's application across the K-12 environment. We'll have some iPad's available for participants to use, but attendees are going to want to have their own in hand! *Jim Moulton, Apple, Inc.* **Penobscot**

DIGITAL TOOLS FOR IMPROVING LISTENING AND SPEAKING SKILLS We will explore the wealth of materials available online for listening practice and some strategies for improving listening skills. We will also look at tools for promoting conversations among students where they can practice listening and speaking as well as for capturing speaking performance. Tools may include iChat, iTunes, GarageBand,NoteShare, and PhotoBooth. *Barbara Greenstone, Boothbay Region Schools* **Kennebec**

THE NEXT STEP: Why a 1:1 Culture Around Technology Leads to Success After Graduation This workshop will be a discussion about my experience in graduating from YHS's technology-heavy culture and going on to college and why that culture of student driven innovation has truly been the basis for success....we will explore the philosophy behind 1:1 schools and how it can be applied to any learning community. *Ben McNaboe, Education Major, Yarmouth High School Graduate* **Hancock**

TECH LEAD ROUND TABLE Come join other Tech Leads for this sharing session to discuss ideas and issues. Share your best ideas you've found to make MLTI a success at your school. *Jim Crick, Bonny Eagle* **Franklin**

USING TABLETS AND OTHER PERSONAL DEVICES TO SUPPORT COLLABORATIVE LEARNING OPPORTUNITIES This session will explore tools for using your personal tablet (iPad, Android, Microsoft) as a collaboration tool in the classroom. Specifically we will explore Cisco's Jabber client and how it is transforming the classroom through the use of collaboration tools such as HD interactive video, content sharing, desktop sharing, and instant messaging. We will also conduct a round table discussion aimed at exploring other resources available to the market to support collaborative learning. *Dr. Lance Ford, Cisco* **Androscoggin/Aroostook**

KINDA FLIPPING OUT - ANOTHER WAY TO DIFFERENTIATE! Khan Academy has been a great resource for students. What if you and your students could make "Khan-like" movies? Come learn how two teachers are doing this to differentiate math instruction. *Morgan Cuthbert and Mike Hagerty, Yarmouth Schools* **Cumberland**

Fi
flo

2nd floor

AUDIO BOOKS IN THE DIGITAL AGE Tales2Go Mobile devices have transformed the delivery of audio books, making listening easy and convenient. Learn how Falmouth Elementary School implemented a new online service, Tales2Go, which streams thousands of audio books from leading publishers and storytellers to mobile devices and desktops. Audio books are an effective way to promote vocabulary, fluency and phonemic awareness while getting kids excited about reading. We'll examine how you can use Tales2Go in schools. *Cathy Potter, Falmouth Elementary School* **Piscataquis**

LEADERSHIP FOR SCHOOL CHANGE Big changes? Customized Learning? Tablet initiative? What must you pay attention to, if you are to be successful? Don't miss something important: learn leadership for large-scale school change. *Mike Muir, Auburn School Dep't* **Sagadahoc**

INTEGRATING TECHNOLOGY FOR OUR YOUNGEST LEARNERS How to integrate technology to support literacy and math development for our PreK-2 learners. We'll look at projects and web sites, and take a quick look at sharing one iPad with an entire classroom. *Nadene Mathes, Atwood Primary, Oakland* **Somerset**

INTRODUCING FIRSTCLASS COMMUNITIES: a Private Social Networking Site for your School How students, staff, parents, and alumni can interact with each other online in a safe, rich, Web 2.0 environment, even if you don't have FirstClass. You'll get a quick overview of the technology and its benefits for your schools, and we'll be available to answer any questions. *Gregg Kaloust, Kannon Communications* **Waldo**

LEGO ROBOTICS STARTUP We will share the robotics program that we have in place in our district. We will have funding resources, setup suggestions, and curriculum information to share with you. *Jaime Steward, SAD 74 & Tom Callahan, SAD 74,* **Washington**

CUSTOMIZING LEARNING FOR ELL USING iPADS In order to address the individual language and literacy needs of our ELL Kindergarten students, we've embarked on an action research project. This session will describe our goals, criteria for app selection, data management, on going progress monitoring, preliminary findings and next steps. *Laurie Andreades and Sue Chevalier, Portland Public Schools* **York**

lunch

GEEK OF THE WEEK Annual Geek of the Week Lunch. Bring your lunch and join Alice, Cheryl, Bob and Michael for a round table discussion on their favorite Geek Tools of The Day. Bring your favorite Geek Tools to share with the group as well. Pocket protectors are not necessary, just open and curious minds about using technology tools in the classroom. *Michael Richards, Cheryl Oakes, Bob Sprankle of Wells-Ogunquit Schools and Alice Barr, Yarmouth High School* **Fort Western**

MAKING IT REAL - Challenge Based Learning in the Apple Powered Classroom Students today have instant access to information through technology and the web, manage their own acquisition of knowledge through informal learning, and have progressed beyond consumers of content to become producers and publishers. As a result, traditional teaching and learning methods are becoming less effective at engaging students and motivating them to achieve as learners in our classrooms. ◊ In this session we will investigate and discuss Apple's Challenge Based Learning model where students actively engage in the process of taking on real-world, rigorous, and relevant challenges that are engaging and create opportunities for personalized learning. Participants will also be provided examples of how the iLife & iWork suites as well as iBooks Author and

Friday Session Two

HACKING CLASSROOM INSTRUCTION This is a followup to the keynote address, "Cracking the code of the 'Native' Information Experience." Expect a highly interactive session about understanding the qualities of our students' outside-the-classroom information activities and exploring ways to hack classroom instruction to employ those qualities for inspired learning. *David Warlick, Keynote Speaker* **Fort Western**

A 1:1 IPAD EXPERIENCE: A Student Perspective This session will feature a student panel of Burlington High School Students. They will be discussing their experience with a 1:1 iPad learning environment and taking questions from the audience. *Andy Marcinek & Students, Burlington High School, Burlington, MA* **Howard**

IPADS: Year 1, Grade 1 Join us for a conversation focused on our first year of thoughtful iPad implementation into the primary curriculum. Highlights will include our timeline, supports, discoveries, and successes. *Sandy Warren & Terry Lincoln, Yarmouth Schools* **Arnold**

ARE YOUR INSTRUCTIONAL MATERIALS ACCESSIBLE TO ALL STUDENTS? Participants will learn about the essential steps that ensure word processed and PDF documents used for instruction and assessment are accessible to all students including those with print disabilities. *John E. Brandt, Maine CITE* **Lincoln/Oxford**

IOS MANAGEMENT & DEPLOYMENT - Apple, Inc. The iPad has been in the market for just over two years and this extraordinary device has found its way into many K-12 schools and HiEd institutions around the globe. As the iPad continues to enter classrooms at a rapid pace, now is the best time for IT directors and staff to learn about the new operating system, iOS 6 and how to best support it. Geared towards IT support professionals, this session will focus on the methods and strategies used to deploy, sync and manage the iPad in an educational setting. A portion of the session will focus on Apple Configurator for OS X which makes it easy for anyone to deploy iPads with the settings, apps and data you specify for your students. *Lars Ljungholm, Apple, Inc.* **Penobscot**

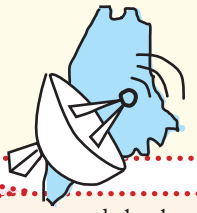
YOUR INTEGRATION PLAN 2012-13 Every integrator has different parameters for delivering PD in his or her district. We will share a number of different models and guide you through the development of a year long plan. You will leave with at least the outline of a schedule for next year. *Laura Girr, Freeport High School and Lisa Hogan, SAD 75* **Kennebec**

STUDENTS+SCHOOL NEWS + WORDPRESS = :) Students can learn writing and media production skills while your school gets a way to effectively share news using current digital tools. We will talk about how our school uses a multi-site Wordpress installation to make this work, and some of the other options available. *Maya Crosby, Lincoln Academy* **Hancock**

HOW TECHNOLOGY HELPED 125 STUDENTS COMPLETE A SERVICE LEARNING PROJECT Presenters will share an overview of how 100+ students worked on a collaborative service learning project, around hunger and food insecurity, using technology. The technology tools used for planning and execution will be demonstrated along with student work. *Julie Hutchinson and Catie Wooten, Yarmouth High School* **Franklin**

A LOOK AT RESOURCES AVAILABLE TO SUPPORT COLLABORATIVE LEARNING AND DISTANCE LEARNING - CBE/CISCO This session will focus on providing participants with an understanding of resources available to support collaborative learning activities in the classroom. We will look at LIVE-C (www.livec.org) a resource designed specifically to support distance learning users. Our focus will be on how to identify and set up content opportunities in the classroom as well as identify ongoing free training opportunities available to teachers. In addition we will spend a fair amount of time exploring the resources Network Maine Provides to support distance learning in the classroom. This will include a look at bridging services, recording capabilities, as well as Jabber Video. *Dr. Lance Ford, Cisco and Jeff Mann, CBE Technologies* **Androscoggin/Aroostook**

USING STUDENTS AS TECH SUPPORT Few schools have the amount of technical support that they need, one of the most overlooked technical resources schools have is their students! If you have staff who are reluctant with technology, using students as liaisons is a great way to bring the teacher along while empowering the students. The student learns by teaching and the teacher learns by listening. In this session, one of the students from Nokomis High School will cover a variety of examples of how this is accomplished. *Kristopher Redman, Student at Nokomis HS* **Cumberland**



sessions

iTunes U Course Manager can support and enrich the experience in the classroom environment to produce exemplary & purposeful artifacts of learning. *Jim Moulton, Apple, Inc.* **Penobscot**

ALTERNATIVE FUNDING STRATEGIES Gain valuable knowledge on grant opportunities and grant resources available to help your district apply for grants. This session focuses on a wide variety of grant funding programs available for Education - from the economic stimulus package to the USDA's Distance Learning and Telemedicine Program, to the School Based Health Centers grant (HRSA) and Strengthening Institutions Program (DOE). *Jeff Mann, CBE Technologies* **Androscoggin/Aroostook**

POWERSCHOOL USER GROUP MEETING- Grab your lunch and come to this sharing session for PowerSchool users in the State of Maine. *Lynne Moulton, York Schools and Nate Barnes, Falmouth Schools* **Piscataquis**

INFINITE CAMPUS USER GROUP MEETING Grab your lunch and come to this sharing session for Infinite Campus users in the State of Maine. *Dennis Crowe, Gorham Schools* **Washington**

2nd floor

FLIPPING THE CLASSROOM WITH ITUNES U Use iTunes U to flip your K-12 classroom. Learn how to create and manage an iTunes U course so that your students can access at home - online or off - with almost any device. *Jonathan Pratt, Foxcroft Academy* **Piscataquis**

THE 21ST CENTURY SCHOOL LIBRARY Join two collaborating librarians to discover the many ways that 21st century tools such as blogs, podcasts, Edmodo, Glogster, Skype, Wallwisher, Twitter, YouTube and Tandberg videoconferencing can enhance and expand your school library program while engaging your K-8 digital natives. *Laura Phelps and Abigail Luchies, RSU 1* **Sagadahoc**

CAPTION THAT Teachers and students are creating amazing movies! Why not make them even better with closed captioning? Captions make video accessible to people who are deaf AND are a literacy support for everyone. *Cynthia Curry, Educational Consultant* **Somerset**

TECHNO ART Integrating technology with art can be successfully executed if you have student buy-in. This workshop includes different grade level projects that students willingly developed and participated in. Hear first hand from the students involved with these projects and see what they made! *Marguerite Lawler-Rohner, Cape Elizabeth Middle School* **Waldo**

iPAD FINESSE! YOU'VE GOT IT, FLAUNT IT! iPads have arrived! Now, how to integrate in middle and high school. Literacy, Math, Social Studies, and Art apps (free and paid) will be introduced for the teacher who has but one device and an LCD projector. *Robin George, Sonja Johnson and Janet Welch, Rangeley Lakes Regional School* **Washington**

POSITIVE CHANGE FOR STUDENT BEHAVIORS IN ELEMENTARY SCHOOLS Madawaska Elementary School's PBIS (Positive Behavior Intervention and Support) program uses Google Docs, charts, and a variety of other tools to identify, track, and change student behaviors with amazing results. Change student behaviors at your own school! *Benjamin Sirois, Vincent Vanier, Madawaska Schools* **York**

Friday Session Three

CULTIVATING YOUR PERSONAL LEARNING NETWORK A Guide to In-Time, On-Going & Self-Directed Professional Development Description: Today, educators around the world are engaging in daily self-directed professional development. Utilizing an emerging suite of interactive and collaborative web tools and techniques, we are cultivating learning networks and knowledge gardens by connecting with other professionals, forming communities, mining greater global conversations, and mapping out libraries of ideas and content. *David Warlick, Keynote Speaker* **Fort Western**

STUDENTS AS AUTHORS: iBOOKS AUTHOR Apple released an App for Macs called iBooks Author that allows users to easily create and publish different types of books for the iPad. Come see how students use this tool to become iBooks Authors. *Christopher Tully, Middle Bucks Institute of Technology, PA* **Howard**

CROSS-CURRICULAR UNITS USING GOOGLE APPS In this session, we will look at the South Portland High School Bioethics research project model to learn how to plan cross-curricular and paperless units using Google Apps. *Hal Kingsbury and Erin Davies, South Portland High School* **Arnold**

TOUCH AND GROW-YOUNG CHILDREN AND IPADS Join us for lessons learned using iPads to support diverse learners including children with disabilities, learning English, in Head Start, family child care, public PreK/K classrooms, and family literacy projects. *Bonnie Blagojevic, Morningtown Consulting and Hillary Brumer, RSU 21* **Lincoln/Oxford**

WHAT'S NEW AT APPLE? Apple, Inc. In this session we'll discuss the most recent developments and announcements from Apple, including hardware and software. Mountain Lion, the latest iOS, Apple TV, AirPlay, and more will be on the agenda. Sure, there will be plenty of tech talk, but we'll also look at the possibilities these amazing new developments bring to schools and classrooms. *Lars Ljungholm, Apple Inc.* **Penobscot**

USING GOOGLE FORMS BEYOND SIMPLE DATA COLLECTION Google Forms can be used in a variety of ways to interact with students and others in your school community. In this session we will walk you through a number of ways to use Google Forms beyond simple data collection. Formative assessments, quick summative assessments, student self-reflections, mid-lesson or mid-unit status checks, feedback for student presentations, voting, and discussions are only some of the ways Google Forms can be used for classroom instruction. *Laura Girr, Freeport High School and Lisa Hogan, MSAD 75* **Kennebec**

STUDENT TECH TEAMS—IT'S ABOUT TIME This session for teachers, principals, and students will focus on the process of building a sustainable student technology team that meets the goals and needs of your school. Topics will include—benefits of student tech teams, finding your school's focus, deciding on the specifics of what students will do, professional development, recruiting and training students, adult mentors needed, and more. Every school in Maine could be using students' expertise and enthusiasm to further learning—attend this session to see how! *Maya Crosby, Lincoln Academy and Ed Brazee, Brazee Digital Learning Services* **Hancock**

TECHNOLOGY COORDINATORS/DIRECTORS ROUND TABLE Come join other Tech Coordinator/Directors for a sharing session to discuss latest resources, ideas and issues facing Maine schools. *Scott Nason, Bonny Eagle* **Franklin**

THE DATA CENTER IN EDUCATION: Building a Secure and Flexible Infrastructure for Years to Come The term *"Data Center"* has become ubiquitous when discussing the direction of delivering access and applications to tech users. The shift from a client-centric approach to a core or central system is here. Components such as centralized storage, virtualized servers, powerful networks and cloud-based solutions are consistently being offered as answers to challenges. This non-stop flow of information created confusion about what's appropriate, what fits and what's worth the investment. We'll present a *Data Center* primer on relevant technologies, the vast ecosystem of supporting solutions and the components that help you build a successful system, as well as case studies of recent projects to demonstrate the critical decision-making required and milestone attainment suggested to successfully design, implement and manage a Data Center. IT managers will gain an understanding of how data center technologies can improve access, increase efficiency, and allow manageability of the systems they support. *Jeff Mann, CBE Technologies* **Androscoggin/Aroostook**

ANIMATION WITH KEYNOTE AND ACORN Have you ever wanted to make an animation? In this session discover how to use Acorn and Keynote creatively. Together we will use these two applications to build animations. This is a hands on session, so bring your MLTI MacBook, roll up your sleeves and get ready to create your masterpiece. *Ann Marie Quirion Hutton, MLTI Integration Mentor* **Cumberland**

BYOD & iPAD/ANDROID CLASSROOM MANAGEMENT Plus Anytime Anywhere Access with Stoneware's Unified Cloud Stoneware's webNetwork takes LanSchool's Classroom Management to the CLOUD by delivering. "On-demand" classroom management that allows teachers to leverage any device during the teaching moment. Secure remote access anytime anywhere from any device with a single password by creating a unified cloud. Simple, consistent user experience across devices *Jessica Menasian and Gayle Razzaboni, Stoneware* **Piscataquis**

MAINE VIRTUAL LEARNING CONSORTIUM This workshop will provide an update on the development of the Maine Virtual Learning Consortium (MEVLC), a group of Maine schools and educators that are pooling resources to offer high quality, customized, and affordable online learning opportunities for Maine students. The MEVLC program has five distinguishing features: 1) high levels of interactivity between and among students and teachers; 2) strong connections to community; 3) a digital portfolio for each student; 4) extensive use of open education resources (OER); and 5) a strong emphasis on media production and/or analysis in nearly all courses. *Kern Kelley, RSU 19 and John Newlin, MICDL,* **Sagadahoc**

DIGITAL FOOTPRINTS: PERSONAL BRANDING ON THE WEB With something as simple as sending an email you've left a track on the web. With their appetite for social media, our students are leaving footprints all over with little regard for the impressions they leave. We talk a lot about what NOT to put up, but their future will demand a presence – our kids will need to be "Google-able". Their future will demand the skills to manage their personal digital brand. Let's talk about how can we help them use their presence as a 21st century calling card. *Jeff Whipple, Fredericton, New Brunswick* **Somerset**

STUDENT BROADCAST TEAM Learn how to implement a student run media broadcast for your school that integrates technology across the curriculum in a fun and exciting way. *Nadine Donnell and Alice Rose, Coastal Ridge Elementary, York. Eric Lawson, Rye School District Rye, NH* **Waldo**

STUDENT NETWORKS & CURATION What if your teachers disappeared and you had to learn on your own? Would you give up on learning? Where would you begin? Why would learning be important? You are an empowered learner. You have the power to learn anything. How much you learn is up to you. How you manage your learning is up to you. How you manage your time is up to you. A big part of your success will depend on how well you are organized. This session will showcase the Personal Learning Network project that all Wiscasset HS students take to prepare them for the network world. The session will focus on setting up and facilitating the development student PLNs for research and personalized connected learning! *Thomas Steele-Maley, Wiscasset HS* **Washington**

INSPIRING DISCUSSIONS BEYOND THE CLASSROOM Are you interested in involving people in your community in discussions that happen in and beyond your classroom? In this session you'll be introduced to a process used at YHS to organize summer reading projects that involve all students and faculty members. The project has successfully broadened reading, inspired students to discuss literature beyond English class, and invigorated the intellectual climate in our school and community. The process includes the use of Google Docs, Google Forms, Wikispaces, and presentation tools including iMovie and Prezi. Yarmouth High School teachers Mandy Lewis and Anne Tommaso will share the process and their learnings with session participants, and YHS students will be a part of the presentation to share the students' perspective. *Mandy Lewis and Anne Tommaso, Yarmouth High School* **York**

Friday Session Four

APPy HOUR This session offers attendees a chance to share their favorite app for Apple iPads and iPhones. Crystal will get the ball rolling with her favorites and then others can join in the sharing. *Crystal Priest, SAD 4 Guilford* **Fort Western**

BEST OF THE WEB 2012 This popular annual session at MAINEducation highlights some of the best web based resources for your classroom. Come share your favorite websites and learn about the favorite of others. Presenters will post all favorite sites on a web resources for all to share and use after the conference. *Dan Ryder and Jeff Bailey, Wicked Decent Learning* **Howard**

CHATTING ACROSS THE USA is a video conferencing program. Session will include implementation, demonstration, and discussion of ways to enhance content areas with programs such as Skype/ Google Chat/ ichat. *Cherrie MacInnes, Brewer Community School* **Arnold**

DOOR PRIZES
Friday closing session: 3:35 p.m. 2nd floor
You must be present to win

GOOGLE GOES SPECIAL - Ed That Is.
You think you know Google Tools? Come and hear a student and Special Education teacher explain how Google Tools fit into their day and into student independence! A student, Morgan, and I will present a variety of Google Tools that help students on their way to independence and better grades! *Cheryl Oakes and Morgan Brewster, Wells High School* **Lincoln/Oxford**

CUSTOMIZED LEARNING IN THE APPLE ENVIRONMENT The Apple learning environment, including iPad, Macs, and software allow customization across the complex layers of a learning community - for students, teachers, administrators, parents, and the community. In this session, participants will be introduced to the capabilities of the iPad and current Macs and supported in visioning how these tools might be embedded in a highly customizable learning environment. Different ways to teach, different ways to learn, different ways to assess, different ways to collaborate, different ways to communicate. In this session, participants will have the chance to grow their understanding of the transformative power of the Apple learning environment and how it can provide customized opportunities for learning and teaching. *Jim Moulton, Apple, Inc.* **Penobscot**

USING SOCIAL MEDIA TO ENHANCE WRITING SKILLS Students participate in a lot of very effective written communication outside of school. How can we build on these skills to improve their writing for all audiences? We will look at texting, chatting (backchannels) social networks like Facebook, individual student blogs, etc. and discuss how these tools can be used to help students meet the Common Core State Standards for writing. *Barbara Greenstone, Boothbay Region Schools* **Kennebec**

EASYBIB IN THE RESEARCH TO WRITING PROCESS This session will focus on using EasyBib to teach note-taking and organizational strategies in the research and pre-writing process. We believe these practices help students avoid plagiarism and allow students to develop a deeper understanding of the content. *Cathi Howell and Maya Crosby, Lincoln Academy* **Hancock**

TECH INTEGRATORS ROUND TABLE Come join this sharing session for Technology Integrators in Maine schools. Share your best ideas, tips, resources and strategies that have been successful at your school. *Shawn Kimball, Hampden Academy* **Franklin**

GO ON A VIRTUAL FIELD TRIP EXPLORATION WITH CILC! This session will take you on an adventure via Video Conferencing, where we will explore the many types of virtual content available to enhance classroom curriculum via Distance Learning. This session will take you on a sampling of virtual field trips coordinated with the Center for Interactive Learning and Collaboration (CILC). *CBE Technologies* **Androscoggin/ Aroostook**

ONE-HOUR GAME DESIGN Whether it is solitare or MineCraft, everybody plays games. While the computer has opened up new ways to play games, it has also made creating them more difficult. Scratch is a very easy-to-use programming language that gives everyone the chance to create what they can imagine. In this session, participants will learn about games and how to make them come to life using Scratch. *Tim Hart, MLTI Integration Mentor* **Cumberland**

INSTRUCTIONAL STRATEGIES AND TECHNOLOGY APPLICATIONS Aligned to the Common Core State Standards for Mathematics This session is designed for middle and secondary level educators and will include technology resources to support mathematics teaching and learning. The session will be interactive and model strategies to support students meeting the Common Core State Standards for Mathematics, with a focus on data and the Standards for Mathematical Practice. Technology applications will include iPad apps and GeoGebra. *Peter Tierney-Fife, Education Development Center, Inc.* **Piscataquis**

THE PERFECT STORM - Weather, Research, Google Sites and 66 Sixth Graders What happens when a teacher, a library media specialist and a tech integrator say "I Wonder..."? Sixty-five proud sixth graders publish their own Google Site while learning meaningful content and the research process. We will share how we did it and what we learned. *Laurie Rule and Katie Legere, Searsport District Middle School* **Sagadahoc**

COMMON SENSE MEDIA: DIGITAL PASSPORT Common Sense Media has added a new element to its elementary digital citizenship program: gaming! In this session we will take a look at the five lessons, which incorporate video and gaming to learn even more about being a responsible citizen when online. Though designed for fourth and/or fifth graders, these games could be used with sixth grade as well. Bring a laptop to try out these games. (Currently, they do not work on devices that do not support Flash.) *Kate Greeley, SAD 75 and Teri Caouette, MLTI Integration Mentor* **Somerset**

SAVE THE DATE
(and the change)
MAINEducation 2013 will be October
Thursday & Friday before Columbus Day Weekend

JUST IMAGINE the most valuable untapped resource in your school...one that supports all students, all staff, all curriculum areas, all levels. What would it look like? Where would it be located? Participants in this session will identify ways to implement big and little changes in their school programs to take advantage of what their library media center can offer, using the Old Town Elementary School Library Media Center as a model. *Lynn Mayer, Old Town Elementary School* **Waldo**

SHOW ME THE NEWS! This workshop will show educators how easy it is to use digital video to engage students as they produce various school-related newscasts. *Nada Lepper and David W. Davis, Brooksville Elementary School* **Washington**

TECHNOLOGY TOOLS FOR DIFFERENTIATION What are some ways to use a variety of technology tools and resources to differentiate for groups or individuals in classrooms? From Audio to Video, from Mindmaps to Cartoons, from Google Docs to iPads we will share our ideas for using these tools and resources. *Cathy Wolinsky and Kate Parkin, Yarmouth Elementary School* **York**

Leader & Teachers of the Year 2012

For the 14th consecutive year, ACTEM presents awards at the MAINEducation Conference to educators who have demonstrated outstanding achievement and leadership in implementing technology to improve education.

Cathy Wolinksy, K-4 Instructional Tech Integrator for two Yarmouth Schools for 20 years, is ACTEM's Technology Leader of the Year. Two principals nominated Cathy as a recognized "educational leader for curriculum development and teacher effectiveness." She is responsible for budgets, has successfully obtained grants for pilot programs, serves on the Building Leadership Team at Yarmouth Elementary School, meets monthly as a mentor with all new teachers and attends grade level team meetings to assist teachers with their review of data.

Above, Cathy Wolinksy, K-4 Instructional Tech Integrator for two Yarmouth Schools for 20 years, is Technology Leader of the Year. Right, Terry Hiltz, 4th Grade teacher at Clinton Elementary School is Educator of the Year

Terry Hiltz, Fourth Grade teacher at Clinton Elementary School, is recognized as ACTEM's Educator of the Year. For years Terry has embraced technology in her classroom and shared her knowledge with colleagues. "Schools benefit greatly when staffs have strengths and weaknesses and share their abilities without making one feel inept. Terry is easy to approach and has taught many staff new ideas," noted retired Principal Stephen Soule.

The teaching team of Katherine Legere and Amanda Pullen, EOY co-finalists from Searsport District Middle School, were recognized for classrooms where "technology is appropriately and seamlessly interwoven class after class, week after week," according to Searsport Integrator Laurie Rule. " Katie and Amanda effectively integrate technology to make relevant connections between what their students are learning and their everyday experiences."

The Mt. Blue High School Technology Committee decided to nominate "an exceptional colleague" Travis Tierney. A teacher of English, Critical Theory, and Popular Culture, Tierney is also recognized as a co-finalist. "Travis does an excellent job of using technology as a tool instead of glitz," noted Mt. Blue RSD Technology Coordinator Darcy Dunphy. Student interviews revealed that Mr. Tierney is always available for help with technology and has a wealth of online resources available for them in a very organized format.

The ACTEM Board salutes two of their own, Alice Barr and Cheryl Oakes, for their outstanding administration of the Leader/ Educator of the Year award program the past five years. Jaime Steward and Deborah White will coordinate the awards for 2013. Check www.actem.org next spring to nominate your candidate(s).

Travis Tierney, Mt. Blue High School is recognized as Educator of the Year co-finalist

Teaching team Katherine Legere and Amanda Pullen, Searsport District Middle School EOY co-finalists

former EDUCATOR & LEADER of the YEAR WINNERS

1999 Barbara Welch: SAD #54, Suzanne Sharp: Brunswick

2000 Dan Queior: Freeport, Doug DeCamilla: Brunswick

2001 Crystal Priest: SAD #4, Darcy Dunphy: SAD #74

2002 Barbara Greenstone: SAD #75, Sherrie Hersom: Boothbay/Boothbay Harbor CSD

2003 Margaret Morton: Union #74, Diane MacGregor: Maranacook CSD

2004 Sarah Sutter: Wiscasset, Eric Chamberlin: Boothbay/Harbor CSD

2005 Cheryl Oakes: Wells Ogunquit CSD, Bob Sprankle: Wells Ogunquit CSD

2006 Randy McCormick: Calais, Dave Boardman: Oakland

2007 David Trask: Vassalboro Community School, Ann Marie Quirion Hutton: Winslow Junior High School

2008 **Teacher of the Year:** Leah Welch: Earl C. MCGraw School, Hampden. **Leader of the Year:** Jan Kolenda: Maranacook Schools

2009 **Teacher of the Year:** Deborah C. White: Asa C. Adams School, Orono. **Leader of the Year:** , Lisa Hogan: MSAD #75, Topsham

2010 **Teacher of the Year:** Karen Abbott: Pond Cove Elementary School, Cape Elizabeth. **Leader of the Year:** Bob Asselin: Windham Raymond SD

2011 **Teacher of the Year:** Mary McCarthy: Middle School of the Kennebunks. **Leader of the Year:** Shawn Kimball: Hampden Academy

2012 **Teacher of the Year:** Terry Hiltz: Clinton Elementary School. **Leader of the Year:** Cathy Wolinsky: Yarmouth Schools

actem
Association of Computer Technology Educators of Maine

We've moved...

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email: glanoie@actem.org

www.actem.org

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CBE Technologies is a leading provider of IT innovation for the classroom. Our solutions include Video Conferencing, Promethean Boards, Unified Communications, Virtualization, Network Design and Implementation, IT Support and much more. CBE Technologies partners with companies like TANDBERG, Promethean, VMWare, Fortinet, HP, Citrix, and Cisco to provide best-in-class IT Services. You take care of your students; let us take care of your technology. Contact us at 1-800-YES-TECH or go online at www.cbetech.com.

Panda Security is a global company that protects over 10 million users in 195 countries with our innovative cloud-based security solutions. We offer customers maximum protection with a minimal impact on performance and functionality of their IT networks. Panda Security provides the global solution that best adapts to your protection needs, helping you protect and manage your network from anywhere. Come visit our booth to view a demonstration of Panda Cloud Office Protection or Panda Cloud Systems Management, our new remote monitoring and management system! On Friday October 12 we will be offering Panda Cloud demonstrations every 1/2 hour from 11 AM - 1PM.

School Improvement Network is the world's first and largest name in on-demand professional training for educators. Through decades of research, the company has developed a series of on-demand tools to create the Teacher Effectiveness System, a systemic approach to preparing all educators to get 100% of students college and career ready.

Infinite Campus is focused on the future. We have provided a continuously evolving student information system (SIS) since our first customer implemented in 1996. We are now the largest American-owned SIS managing more than 5 million students in 43 states. Our suite of products is designed for efficient use of student data allowing educators to focus on what really matters: improving education for students.

Meraki builds intelligent, cloud managed networking solutions that dramatically simplify enterprise networks. Whether securing iPads in an enterprise or blanketing a site with WiFi, Meraki networks simply work. Come visit us at Booth# 4B for a free American Apparel t-shirt!

Valley Communications Systems, Inc. is a diversified communications company, providing total system integration for such products and applications as SMARTBoards (computer interactive whiteboards); Video Conferencing; Audio/Visual; VoIP/Telephone; Security/Surveillance; Sound/Intercom; Voice/Data/FiberOptic Cabling; and Local, Long Distance and Internet Services . Valley services everything it sells, and offers its clients over 66 years of business experience to draw upon. Valley Communications is based in Chicopee, MA and is Your Single Source for Technology Integration throughout New England.

Unified Technologies (UT) is a Technology as a Service (TaaS) provider focused on Managed Cloud & IT, VOIP, Data and Video solutions. Do you want to know what is going on in your network? Once you know, do you want to fix it? We can do both! Come see us at booth LB7 for more information or visit Unifiedtechnologies.com.

Headlight Audio Visual We are again "supporting what's important to their future" at the 2012 ACTEM MAINE Conference. Come visit our booth and see the latest in classroom technology. Speak with our knowledgeable reps, and learn how we can help you to achieve the maximum return on your technology investment. From Concept to completion...Headlight Audio Visual, Inc.

Teq is an innovative learning company, offering a full spectrum of professional development services designed to empower educators, improve technology integration, and increase student achievement. Since 1972 Teq has remained one of the largest providers of interactive classroom technology in the nation. Their model fosters passion and creativity in the classroom, offering a unique blend of experienced service and support. Teq takes a holistic approach to strengthening school goals, while differentiating the practice for individual educations. As certified teachers, the SMART Certified Master Trainers provide participants with best practices, ideas, tips, and commentary related to interactive technologies and their integration into the curriculum.

Pro AV Systems, Inc. We specialize in enhancing your current classroom setting by integrating the newest technology, products and services – so come check out what's new in our booth and how you can use that in your school. We've been in the business of technology integration and training in Maine for over 5 years, and will continue to support your schools with the latest and greatest technology, making it work for you and your specific needs. We will be showcasing lots of products in our booth, including but not limited to: Interactive Whiteboards, Interactive Projectors, Document Cameras, Projectors, iPad Integration, Digital Signage and Flat-Panel Displays. Come stop by and meet our staff – and find out what Pro AV can do to help you this school year!

Epson America Engage. Enlighten. Inspire. Epson projectors with 3LCD technology can help you captivate even the most restless student audience. Come to Learning Booth 12 to see the BrightLink 485Wi interactive projector. EPSON: "Exceed your Vision."

actem *gratefully acknowledges our Vendor Members and thanks the following companies for their support*

VENDOR MEMBER, CONTACT NAME, email address

Apple, Inc., Tara Maker, maker.t@apple.com
Blackboard, Kim Fusco, kfusco@edline.com
Budget Document Technology, Marc Civittolo, mcivittolo@bdtme.com
Canfield Systems, Inc., Angie Hilton, angie@canfieldsystems.com
CBE Technologies, Jeff Mann, jeff.mann@cbetech.com
Computer Connection UMaine, Derek Husson, derek@umit.maine.edu
Imagine Learning, Anne-Marie Brockwell, anne-marie.brockwell@imaginelearning.com
Kannon Communications, Gregg Kaloust, gregg@Kannoncom.com
LanSchool Technologies, Jessica Menasian, jmenasian@stone-ware.com
Panda Security, Liz Johnson, liz.johnson@us.pandasecurity.com
Pro AV Systems, Inc., David Bishop, dbishop@proavsi.com
Rosetta Stone, Katie Raeburn, kraeburn@rosettastone.com
Sophos, Joe Plaisance, Joe.Plaisance@sophos.com
Spectrum Industries, Jerry Smith, jsmith@spectrumfurniture.com
Stoneware, Inc., Gayle Razzaboni, gayle.razzaboni@stone-ware.com
Tales2Go, William Weil, wsweil@tales2go.com
Teq, Bryan-St. John Schofield, bschofield@teq.com
Texas Instruments, Inc., Jim Donatelli, jdonatelli@ti.com
Vintage Tech Recyclers, Mike McKenna, mmckenna@vintagetechrecyclers.com

Exhibit Floor Learning Booths & More!

MAINEducation 2012 - Oct. 11-12, 2012 -- Augusta Civic Center

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Blackboard

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ACTEM Table

25th Anniversary Museum Display
Historical Artifacts of Technology in Maine Schools

Main Entrance

iste® 2013
forging the learning frontier
June 23–26

Thank You, Craig! *Lunt Award Winner 2012*

by Gary Lanoie,
ACTEM Executive Director

Craig Dickinson, was hired as ACTEM's Business Manager in 2006 when I was President of the association. I was part of the 2005 Business Manager interview committee after Betsy Caswell indicated that she would be retiring in early 2006. The committee advertised the position as approximately a 30 hours per week position involving software sales and other association business. We were wrong about the hours per week when we advertised this position as it proved to be a full time position and more, but we were sure right in the choice of Craig Dickinson for ACTEM's Business Manager.

Craig didn't make the trip to ISTE in '11, but was found there, anyway!

One of our first tasks after hiring our new Business Manager, was to move ACTEM to Moody, ME into Craig's home office. His software company "Woodpile" operated out of this office. I remember loading a U-Haul van and my vehicle with all the ACTEM stuff from Betsy Caswell's house in Auburn. Little did I know in 2006 that I'd be moving the ACTEM office again.

Craig as a vendor at his Woodpile booth during an early MAINEducation conference, 1995

Craig's transition training with Betsy consisted of three days of working together and then many emails with additional questions as Betsy moved to Florida for her retirement. After this training and with the consultation of a local accountant, Craig decided that his first task was to put ACTEM's books into a standard accounting software package (QuickBooks). This work resulted in consolidating ACTEM's records previously kept in many databases and spreadsheets and allowed for more reporting and accountability measures to be in place. As ACTEM grew, this would prove to be a great decision for the association. Craig's work over the years included:

- A discount group buy for memory upgrades for the iBooks purchased by Maine Schools through the first round MLTI buyout
- NEISTE Meetings (a group of New England affiliates like ACTEM)
- ACTEM's sponsored bus trip to NECC - Washington, DC
- Three RUS Grants resulting in well over a million dollars in video conferencing equipment for Maine schools
- ACTEM's sponsored bus trip to ISTE - Philidelphia, PA

Along with these major events, Craig partnered with the conference chair and completed all the work necessary to make seven MAINEducation conferences very successful. Craig is masterful with logistical details whether it's membership, conference registration, a software order, professional development reimbursement or other association business. Craig's attention to detail has led to very satisfied ACTEM members, exhibitors and customers and subsequently to the growth of our association.

Now it's time for Craig to retire and I'm the new guy in transition. I've been fortunate to have several months of training to learn ACTEM's business practices and procedures. The practices put in place under Craig's tenure are solid business practices and have led to ACTEM's financial stability, growth and success.

In 2006 the ACTEM board established an award named after one of the founding members, long-time president and conference chair, John Lunt. The "John Lunt Friend of Technology" award honors and recognizes members that have made significant contributions to educational technology in Maine and our association. At this summer's board retreat it was voted unanimously to recognize J. Craig Dickinson with this award.

Besides his experience in operating a software business, Craig's deep roots in public education gave him an understanding of ACTEM's mission. Craig taught in the Orono schools for 15 years. Because of his long-time interest in project-based learning and team problem solving, Craig teamed with Camden-Rockport to produce the first Olympics of the Mind (now called Odyssey of the Mind) competition in 1982 with just the two school districts participating. By the time Craig ran the State OM organization in 1983-84, Maine had 106 schools participating.

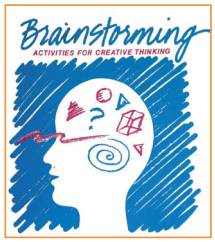
Craig started using technology in his classroom in 1982. He wrote articles for educational and mass-market magazines and encouraged his students to submit articles. During the 1985-86 school year, 17 of Craig's students had their work published. In the fall of 1986 Craig left teaching to start Woodpile which sought to provide quality educational software to Maine schools.

Craig continued teaching as an adjunct instructor at UMaine for several semesters. When the first three Maine Lesley Master of Technology groups began in the late 1980s, Craig served as the instructor for the Mathematics class for the Hampden and Cumberland groups.

In 1987 Creative Publications released Brainstorming: Activities for Creative Thinking, a 144-page resource book for grades 3-8 that Craig wrote with his wife Paula and friend Eileen Rideout. The book eventually sold over 20,000 copies.

A little known fact that I discovered this year is that Craig has been to all 25 MAINEducation conferences. Many of the conferences Craig attended as a vendor, which gave us great insight as he helped in the planning process of MAINEducation conferences.

For the last six plus years Craig has served ACTEM as it's very competent and exceptional Business Manager. The board had been discussing how best to recognize and thank Craig for all his contributions to ACTEM and educational technology in Maine. The board overwhelmingly felt that Craig was most deserving of the John Lunt Friend of Technology award.



Stop by the registration table at this year's conference and say "Hi" to Craig, thank him for all he has done and wish him well in his retirement. He certainly has earned it!

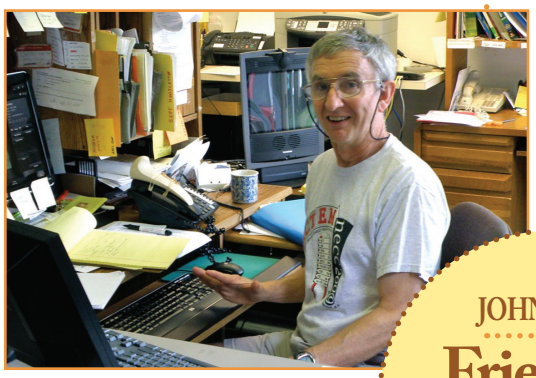
From me personally, I say to Craig, Enjoy more time with family and friends and know that you have many friends through your ACTEM family! Best wishes, good health and please keep in touch!

From Colleagues & Friends

"Craig's energy level is A-MAZING. He can be on the go when the late night crew calls it a night or in his case the early morning crew starts up. Craig is a true encyclopedia of knowledge when it comes to ACTEM. He can recall fairly easily what different districts are doing, who is in charge, and who the key people to talk to are within a district. It has been an honor and a privilege to work with Craig."

Michael Richards, ACTEM President

"I remember sitting in the ACTEM office one day, Craig had 2 phones ringing off the hook, the fax machine buzzing and his email binging and he calmly took it all in stride. He would answer one question after another and if ACTEM didn't carry the piece of software the caller was looking for, he'd tell them where to



Craig with his wife, Paula and at his desk in Moody

get it at the best price! Craig handled the whole day with his usual calm demeanor and great sense of humor. He has truly been ACTEM's secret sauce! Thank you for everything, Craig, you truly are a Maine gem.

Crystal Priest, ACTEM President 2008-12

"Craig Dickinson was the right person at the right time for ACTEM. His business smarts, friendly personality, and understanding of the educational process in Maine made him a valuable asset to ACTEM and a pleasure to work with over the years."

Vincent Vanier, ACTEM President 2006-08

"I am impressed at the level of sophistication that Craig achieved in QuickBooks© and impressed at his understanding of accounting and general financial management. I would hire him as an accountant in my firm any time, should he ever get bored with retirement."

David Douin CPA, David Douin & Associates, LLC

"It was over thirty years ago that I first met Craig. I have been fortunate to witness the unfolding of wondrous events - from the stampede of eager elementary students learning how to program his TRS-80s to the flexing wings of the fledgling Olympics of the Mind. Craig is an eager life-long learner, a dedicated worker, a gracious man, a brilliant teacher, and the most golden of friends. He is "a verray parfit knyght"

Dr. Abigail Garthwait, Assoc. Professor, University of Maine

"Craig Dickinson became ACTEM's Business Manager when ACTEM was on the cusp of tremendous growth. Started as a small, asipiring-to-be state-wide organization, by 2006 ACTEM had become THAT with a strong voice in Maine's educational technology issues. It had also developed a business role that aided Maine schools and educators; however, no one could have foreseen the huge growth that would take place under Craig as Business Manager. Applying his skills as an organizer, communicator and businessman, Craig deserves much recognition and credit for his role in moving ACTEM to the position which it now enjoys."

John Lunt, ACTEM President 1996-2002

JOHN LUNT
Friend *of* Technology Award

Dennis Kunces
Lunt Award Winner 2012

In the 1980s when the goal of "1:to:1" computing meant one computer in every classroom, Dennis Kunces frequently drove to Maine schools for professional development sessions in a car loaded with Apple IIcs. Searching for the Lubec school one day, he inadvertently crossed a bridge into Canada. In returning to Lubec, U.S. Customs officials were suspicious when peering into Dennis' back seat piled high with monitors, keyboards and binders of 5 1/4" floppy disks. His Maine Dept. of Education ID along with his ready smile, quickly got him on

Dennis always has a ready smile

JOHN LUNT

Friend *of* Technology Award

Dennis has long assisted with the conference door prize session

the right trail to be of service to Maine educators.

After 13 years as a Biddeford middle school teacher, Dennis was hired in 1984 by the MDOE for a position created by Governor Brennan's Education Reform Act that called for high school graduates to be computer proficient. Besides his role of developing technology-related curriculum and professional development, he worked part time on overseeing federal grants and the State's Computer Preview Center. He was the author of the guidelines and contact for the high school proficiency program until the year 2000.

The first statewide conferences were the "Maine Computes" conferences produced by Dennis and Richard Riley of MDOE in 1985 & 1986, and assisted by the Maine Computer Consortium (MC2). Doris Ray and Catherine Glaude took over Maine Computes in 1987 with Dennis actively involved in the planning. When Maine Computes evolved into the first MAINEducation Technology Conference in 1988, Dennis was heavily involved in the planning and conference logistics as he has been in every MAINEd conference since. As John Lunt himself wrote, "A constant figure throughout the history of the conference has been Dennis Kunces. With his unstinting donation of time in setting up, overseeing placement of vendors when they arrive, and in dealing with vendor prizes, he is a significant part of the conference history."

During the exploratory ACTEM gatherings in the early 1990s, Dennis Kunces was usually present. Dennis secured meeting space for the group in the Cross Building, a role he has maintained for over 20 years. After Bob Stackpole produced early editions of the ACTEM newsletter, Dennis assumed the position of newsletter editor for ten years. When ACTEM initiated the Professional Development Reimbursement Program in 1999, Dennis readily took on the responsibility of administering the program. Through the years Dennis has processed reimbursement applications of over $150,000 to ACTEM members who have taken the initiative to pursue professional development meaningful to their needs.

Dennis' service is not limited to Maine educators. He served 32 years in the Coast Guard Reserve, a commitment that involved over 30 days each year. He retired with the rank of Lieutenant Commander. A long time high school official for basketball, track, soccer and volleyball, Dennis frequently volunteers his officiating services to both developmental track programs and the Maine Senior Games. He was also instrumental in starting the Gardiner girls middle school soccer program and coached and youth soccer for several years.

On the 25th anniversary of the MAINEducation Conference, ACTEM gratefully acknowledges the long time service and commitment of Dennis Kunces with the John S. Lunt Friend of Technology Award.

"There is no truth to the urban legend that Dennis Kunces invented the Internet. We all know that isn't the case. It was Richard Riley. Dennis however, was the first person in Maine K-12 education to actually USE it for something other than exchanging recipes and gardening tips.

Dennis is a fountain of knowledge about Federal programs, education innovation and technology integration. He is a great person to work with, and we are most fortunate to have him as a valued colleague."

Jeff Mao
Learning Technology Policy Director
Maine Department of Education

"Dennis Kunces stands out as a key figure in both the planning and execution of this great conference. His oversight of the vendor area, handling of door prizes, guiding vendors to locations - and more - has always reflected his enthusiastic support of both ACTEM and educational technology."

John Lunt
ACTEM President 1996-2002
Conference Chair 1996-2005

Bette Manchester *Lunt Award Winner 2012*

For seven years, Bette Manchester led the Maine Learning Technology Initiative as the first Director of Special Projects. Bette was responsible for the planning and implementation of the professional development for the entire project; and through her leadership, MLTI's professional development focused on the learning first, then the technology.

After retirement from MLTI, she co-founded the Maine International Center for Digital Learning with Angus King and served as MICDL's first Executive Director. Bette has spoken nationally and internationally at the request of governments and organizations in Australia, Brazil, Canada, Chile, Denmark, France, New Zealand, and Sweden about leadership and sustainability in 1-to-1 programs, capacity building and 21st Century Learning, and the "Maine" story.

Bette is the recipient of many awards including Principal-National School of Excellence, National Distinguished Principal

of the Year (1997), Milken Education Award (1991), Maine State Librarians Award (2004), Dr. Inabeth Miller Education Technology Award (2005), the Friday Institute Award for Innovation in Education NC State (2007), as well as the Distinguished Leadership Award from Maine Superintendent's Association (2011).

Bette began her career as a teacher, director of special education, and principal at Bowdoin Central in Bowdoin and Mt. Ararat Middle School in Topsham. She now serves on the board of MICDL, and works part time on special projects and initiatives.

In recognition of her remarkable career in education and strong and steadfast leadership to ensure the success of MLTI, ACTEM proudly presents the John S. Lunt Friend of Technology Award to Bette Manchester.

"Bette's educational leadership is a model of how to make the well-being of children and youth the first objective of technology innovation in Maine."

Cynthia Curry, Educational Consultant

"Thank you, Bette for being an example to us all. With innovation grounded in what works for kids, you've helped make so much possible."

Jim Moulton - Education Development Executive, Apple Inc

"I've learned over the years execution is as important as vision and in the case of MLTI that could not be more true.

Bette Manchester, more than any other single individual, was responsible for the successful execution of the MLTI idea. She worked tirelessly with educators, administrators, state personnel, and technology people to make it work in the classroom, and never lost sight of the basic idea that this was about teaching and learning and not about technology. I owe an enormous personal and professional debt of gratitude to Bette. The idea we had for MLTI could never have achieved what it has in Maine, and indeed in other parts of the world, without Bette's evangelism. Her energy, creativity, passion and perseverance made it work for kids and teachers across Maine. There is no one in Maine I respect more. Bette is an absolutely sensational recipient of this reward and I am delighted that ACTEM is choosing to recognize her.

Angus King

MLTI: How it all Began

A conversation with Bette Manchester

It is arguably one of the landmark accomplishments in the entire history of American education. As noted on the project website, "The Maine Learning Technology Initiative made Maine the first state to seize the potential of technology to transform teaching and learning in classrooms statewide; first with a plan to equip all students and teachers in grades 7 to 12 with personal learning technology statewide; first to equip every 7th and 8th grade student and 7th through 12th grade teacher statewide with personal access to learning technology; first to empower every 7th through 12th grade teacher in every school statewide with professional development and support to fully tap the potential of computers and the Internet; and first to provide the option of home Internet access to every 7th and 8th grade student in every school statewide."

It's been ten years since that first large rollout in 2002. To learn how Governor Angus King's vision to transform Maine education evolved from concept to reality, ACTEM asked Bette Manchester, Project Director the first seven years, to reflect on how it all began.

ACTEM: What do you recall from those early days when you first took on the challenge of leading MLTI? *Bette:* Skepticism. After the first task force meeting in September 2000, I recall speaking with John Lunt, ACTEM's invited representative, and we both had our doubts from the tone of that meeting that this "lunchboxes to laptops" (what the press called the Maine Learning Technology Initiative) proposal would ever get off the ground. Most task force members had great reservations at the beginning, but we met eight more times in the next four months and all committee members believed it could work. The final report, "Teaching and Learning for Tomorrow: A Learning Technology Plan for Maine's Future," resulted in a unanimous vote from the entire task force to proceed.

JOHN LUNT
Friend *of* Technology Award

Bette Manchester, first Director of Special Projects for MLTI

ACTEM: What changed people's minds? *Bette:* The task force developed a clear vision. Equity and 21st Century skills were in the forefront. Sustainability was also an important component. We believed this innovative program would be valuable for years to come. The report emphasized staying the course. As technology changed and student needs change, the program would adjust to the new expectations.

We decided in that original document to limit the solution to one vendor and focus on Professional Development . There were a few other scattered projects at the time that provided exquisite technology without paying attention to PD. We noticed that the responsibility for PD under other plans ultimately depended upon the local technology director, who often times had little or no background in education. In some cases there were no plans.

Early MLTI leaders in March 2002 preparing for the Sept. rollout

PHOTO: JIM MOULTON

The focus of the project would be on learning. Seymour Papert served on the original task force and if he had his way the project title would not have included the word "technology," only "learning." He argued that you don't sit around talking about such tools as pencils or chalk. Papert believed the concentration should not be on the tools but rather the learning. He always wanted to make it clear that Maine should be known as "The Learning State."

ACTEM: What about the initial funding issue? *Bette:* Originally the plan called for funding through an endowment to ensure perpetuation of the initiative. Every election cycle and leadership change would potentially jeopardize the program. We found the private sector supported the concept of professional development and teacher leaders when we asked. The private sector was not willing to support hardware purchases. We applied for and received a Gates Grant for $1 million for PD to get started. MBNA played a big role early on, matching funds from the Gates Foundation and allowed us the use of their Northport facility for training building teams. For teachers to have overnight accommodations in a nice facility to learn new skills and work with their school leadership teams was such a gift.

ACTEM: There were various sections of the Maine education community that needed to buy into the program How did you overcome the resistance of school administrators? *Bette:* We took it to the field. MLTI is a statewide initiative, not an Augusta initiative. The leadership team from the project traveled to regional meetings to check in with the superintendents and principals to find out what they needed. We asked what their hopes were for the project, and what they feared might go wrong. Everyone eventually signed on, which surprised us, but initially many principals were scared to death.

Henrico County, Virginia had an Apple rollout prior to Maine's, with little or no specific training for principals or teachers and minimal policy development. We knew the building administrator plays a vital role in the impact of MLTI in the building. From the start we believed it was imperative to keep those lines of communication open and the process transparent. Besides regional meetings, throughout the project we offered specific trainings for principals.

ACTEM: How were technology leaders at the local level included in the planning? *Bette:* John Lunt was the ACTEM President then, and he played a major role in seeking information from tech directors on what support they would need. Naturally some technology directors were upset over the choice of one platform over another. It was apparent that regular training from Apple needed to be in place for technical directors. The semi-annual update sessions were inaugurated and continue today.

And Apple did an outstanding job delivering the machines for the initial rollout. There was good cooperation between Apple and the University of Maine System in accommodating for the wide variety of wiring configuration in the schools ten years ago. Shaun Meredith was the project director for Apple during the initial rollout then and was truly dedicated. His candor on technical issues was respected and gave the project credibility with technology specialists. Doug Snow has been involved from the beginning, later became project director, and has contributed mightily to the success of the project.

ACTEM: What about teachers? *Bette:* We set up the mainelearns.org website and populated it with information for teachers, principals, and superintendents. It was important that we were as transparent as possible about the process. There were no surprises if you paid attention to places we posted info.

Many teachers were petrified. We had nine pilot schools during the 2001-02 school year. The nine Regional Integration Mentors were the first leaders in the field and proved invaluable in discovering potential problems and finding solutions.

As a principal I knew the importance of having a teacher leader in a building. When I asked the principals after the project began what was important to them, the teacher leader concept was the most frequently mentioned. The basis I used for writing the Lead Teacher job description was a well supported research paper from the University of Cal Irvine. The most important aspect of being an effective MLTI Lead Teacher was not that they knew technology, but rather they

could see the promise of technology. These were your stellar classroom performers who understand good teaching and the learning process. They needed to be individuals who got along with others, were viewed as good people to work with, and could work effectively with the leadership team.

Teachers who came to the 2002 summer training received explicit training on how to use the machine prior to the rollout.

ACTEM: Where did you start with Professional Development? *Bette:* We searched for accomplished Maine professionals who were good at planning PD and set up a design team of teachers, a librarian, principals, representatives from higher education, a superintendent, and a tech coordinator -- anyone who had a role in successful PD. We met or had phone conferences on a weekly basis the first year. This committee remained in place for at least the first five years. It was a priority.

The idea for the Castine MLTI Summer Institute came about to offer teachers the opportunity to focus on best teaching practices over a multiple-day conference. As time went on more substantive professional development was offered.

During the school year we offered regional meetings in the content areas and teaching practices. Whatever we did in the summer was connected to the winter meetings. In this way we could keep in step with state expectations.

I hired talented specialists who had backgrounds in teaching first, tech second, like Jim Moulton, Phil Brookhouse, Pam Buffington, Barbara Greenstone, and Kelly Arsenault. They were joined later by Jeff Mao, Jim Wells and Cynthia Curry.

We started and organized the Digital Media Group with Karen Sheldon of Northeast Historical Films playing a key role. Community or government agencies that provided free digital content to people in Maine offered support. Historical societies, science programs, the Portland Museum of Art and MPBN provided professional development for teachers including how to use the resources of the agencies.

ACTEM: How did you approach Assessment? *Bette:* There was a fundamental change in national education policy just before the laptop rollout--No Child Left Behind and the Comprehensive Local Assessment System (CLAS).

Our goal was to build resources for teachers in Maine that could be used around assessment. We worked with Dr. Anne Davies and Maine teachers to develop resources based on the work of Dylan William and Rick Stiggins. Dr. Jeff Beaudry at USM and other University of Maine educators still use these resources. These CDs and books around assessment for learning are still current and available to Maine teachers.

ACTEM: What about student needs? Bette: From research at the time, it was clear kids at the middle level felt isolated, often not connected to their school. We thought it possible that students could become connected to their school through technology, as they knew more than teachers in most cases. Students could be mentors for teachers and other students, which also served as a method of developing career awareness.

School iTeams would be a way of involving students, but some tech directors were opposed. Gary Lanoie was the new ACTEM President and he took videos of his iTeams in Cape Elizabeth and they became the standard for supporting this concept, which of course has been highly successful in many schools.

Research also showed that students who felt connected to their community, even if they moved away, stay connected to community. Community-based projects were emphasized.

When students got laptops they moved into areas we had not anticipated, and they moved faster. When we organized the first MLTI Student Conference at Gorham Middle School the feedback from students about the day was "It wasn't hard enough." The Student Conference was so popular we quickly needed a larger facility, so it was moved to USM. In recent years the student conference has been held in May on the Orono campus to great acclaim.

ACTEM: How about parents and the general public? *Bette:* It was crucial that the laptops were not just handed out. Parent nights were held prior to students receiving machines. Workshops were held for teachers, students and parents. It was insisted students receive training before they received their laptops, and that policies were in place. Reporters who visited schools were complimentary.

ACTEM: How did the idea for the Maine International Center for Digital Learning (MICDL) come about? Bette: The concept was developed as an extension of MLTI when Angus King was still Governor in the midst of many conversations with other countries, particularly Canada. The idea was to build relationships with educators in other countries. We wanted Maine to continue hosting visitors and learn from our visitors, and MICDL would be part of that exchange and information gathering. The focus would be on innovative practices for teachers and professional development . When I retired from MLTI in 2007, Angus and I co-founded MICDL.

Original MLTI Regional Integration Mentors, 2001-2002

Crystal Priest: *Piscataquis Community Middle School -Guilford*
Rick Barter: *Conners Emerson School - Bar Harbor*
Kelly Arsenault Fitz-Randolf*: Lyman Moore - Portland*
Eric Chamberlain: *Boothbay Region MS*
Mike Shannon: *Auburn MS*
Melanie Mason: *Maranacook MS - Readfield*
Laura Chase: *Skyway MS - Presque Isle*
Mark Gunter: *Shapleigh MS - Kittery*
Debbie Myers-Jamieson: *Pembroke Elementary School*

ACTEM: Any Surprises? *Bette:* My background is in Special Education. I had dreamed about the possibilities of what could be done, and

UMaine professor and researcher Walt Harris was very enthusiastic about early evidence of the impact MLTI might have on the state's Special Ed population. In the years I was Project Director, the Special Education leadership was, to a large extent, resistant to MLTI and the tools it provided.

I was surprised that librarians were underutilized. One of the most important parts of the program was the involvement of the librarians. They are an extremely valuable resource in schools. MARVEL is a spectacular resource that was also underused. And of course the Maine State Library Network is crucial to the success of the project.

ACTEM: Final Thoughts *Bette:* For me MLTI has meant lots of hard work, but it has been such a meaningful journey as far as what has been done and what can be done.

MLTI would not have been possible without Angus. It was his vision and with the hard work of educators, MLTI became a reality that has changed Maine's educational landscape.

The cooperation between the governors and the commissioners when I was project leader was extremely helpful.

It has been gratifying to hear anecdotes of many teachers and principals who were renewed through the laptop program. The project could not have happened without the dedication of teachers and administrators committed to engaging students. MLTI truly has been the effort of an entire state.

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MAINEducation Presentation Schedule

Thursday, October 11th

9 a.m. – Noon
Collaboration through the use of Interactive Video Conferencing

1:30 p.m. – 4:30 p.m.
Repurposing Video Conferencing to Enhance Your Curriculum

Friday, October 12th

9:15 a.m. – 10:15 a.m.
Using Tablets and Other Personal Devices to Support Collaborative Learning Opportunities

Friday, October 12th (continued)

11:00 a.m. – Noon
A Look at Resources Available to Support Collaborative and Distance Learning

12:10 p.m. – 1:110 p.m.
Alternative Funding Strategies

1:20 p.m. – 2:20 p.m.
The Data Center in Education: Building a Secure and Flexible Infrastructure for Years to Come

2:30 p.m. – 3:30 p.m.
Go On a Virtual Field Trip Exploration with CILC!

Wells, Maine *Home of ACTEM 2006-2012*

Though the association's office has been located in Wells since 2006, ACTEM roots in the York County town go back to the actual naming of the group. John Lunt wrote in 2002 " **Larry and Marylou Ryan** of Wells were most convincing in their work to avoid making the organization's name too narrow." The final name included both the words "computer" and "technology."

In May 2012 Wells Technology Director **Michael Richards** became ACTEM's 6th president after serving four years as Vice President. Richards and Wells teachers **Cheryl Oakes**, **Bob Sprankle** and **Beth Goodwin** have presented their work at state and regional conferences for several years. **Tarik Sivonen,** Computer Systems technician at Wells Jr. High has presented at several ACTEM conferences. In June 2012 Richards presented with Wells JHS Principal **Chris Chessie** at the ISTE San Diego Conference.

Google sent a film team to Wells High School in the fall of 2011 to film **Cheryl Oake**s and student **Morgan Brewster** using Google research and organizational tools to enhance special needs learning. The YouTube video highlighting their work has had nearly 3 million views. Cheryl and Morgan will present during conference session 4 on October 12th.

Frequent conference presenters Cheryl Oakes, Bob Sprankle, Michael Richards and Beth Goodwin

(Left) Morgan Brewster and Wells High teacher Cheryl Oakes PHOTO REG BENNETT

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Join us on Thursday, October 11, 2012 in our 3-hour breakout session, titled "NAVIGATING TOMORROWS TECHNOLOGY, TODAY" where we will help educate you on what the future ready classrooms look like, and how you can navigate throughout this ever changing technology landscape.

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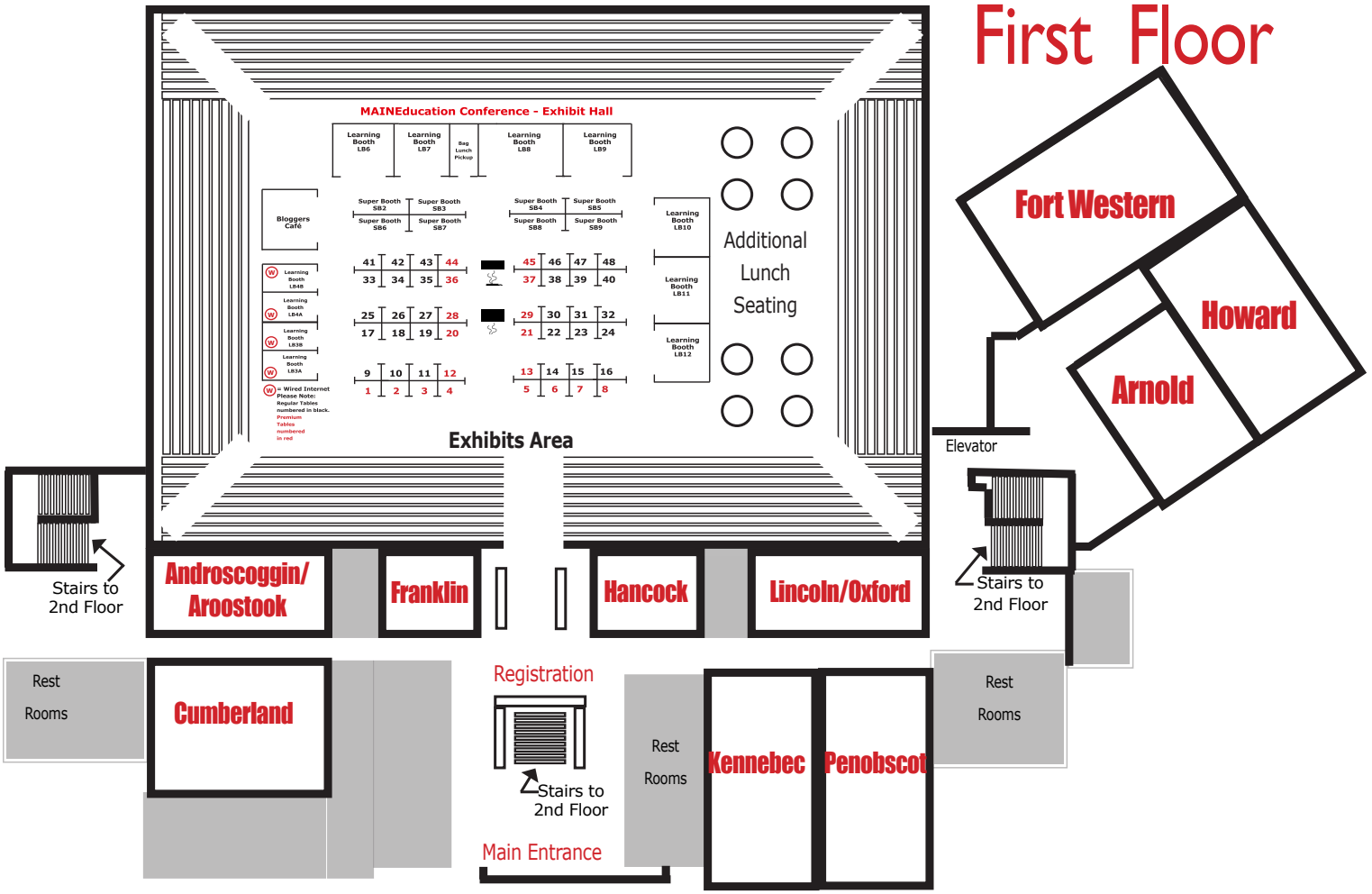
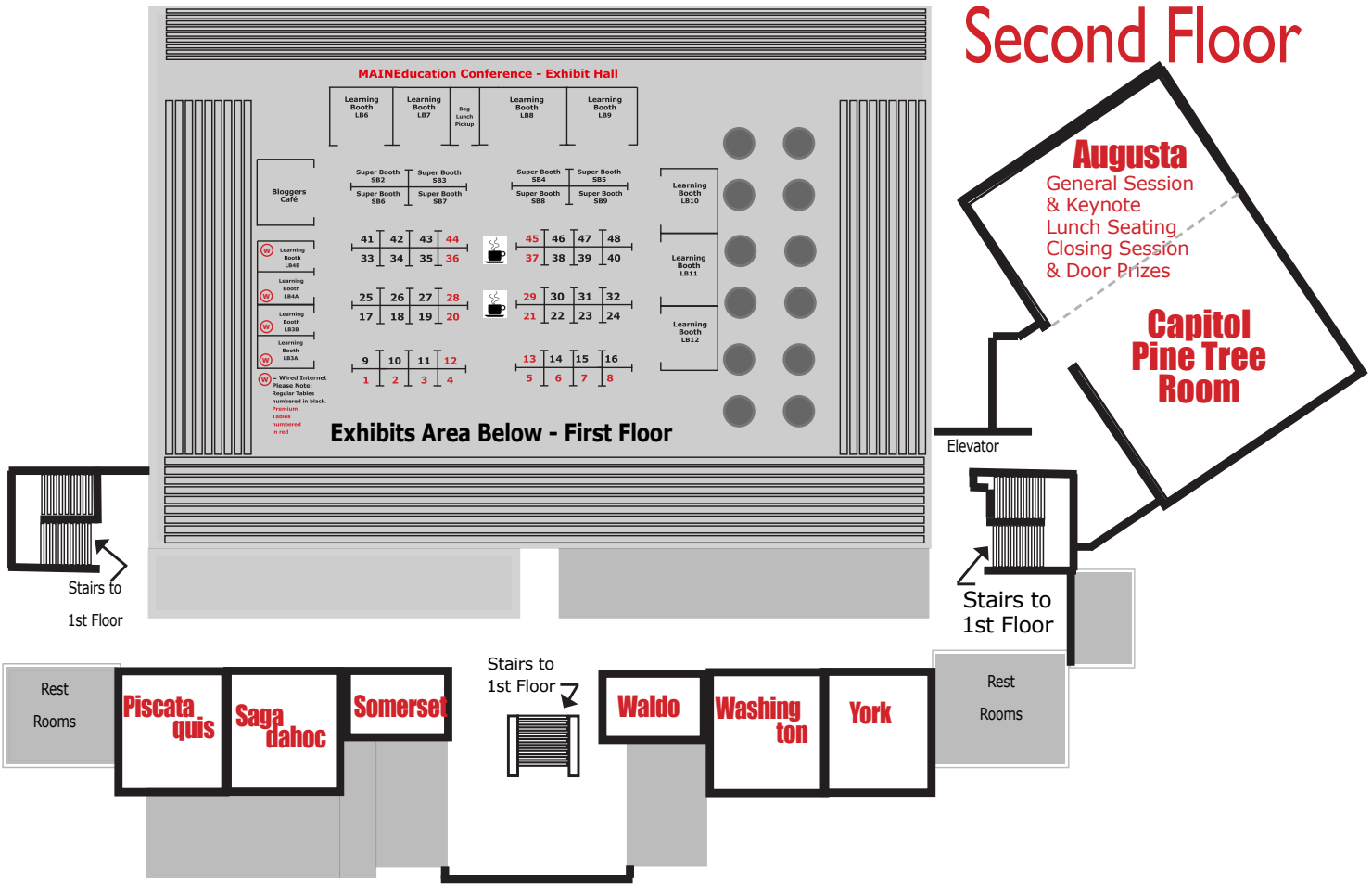
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