

## Quick Tips

### To reduce paper use through file sharing:

- Use *MacJournal* to create electronic workbooks for students. Include text, images and web links. Students can open the file in their *MacJournal* program, complete the work, and return the journal to you electronically.
- Establish a naming convention for files students send you. Have students begin their file names with the first three letters of their last names so the files will appear in alphabetical order in your email or on a file server or pen drive.

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## Thanksgiving...

...is a time to think about everything we are thankful for and of course we are all thankful for laptops and the other technology we use daily for teaching and learning. Now turn your laptop off, put it back in the case, and go enjoy the day with friends and family (after you read the *MLTI Update*).

## High School Laptops

The schools that are a part of the MLTI high school program this year have received their laptops and are busy planning their roll-out to students.

Many teachers attended the laptop training sessions offered by Apple Computer and SEED. These sessions were held on Saturdays in October and November at various locations around the state. The training was delivered by SEED Technology Learning Leaders and Apple staff and it was designed to meet the needs of a very diverse group of teacher/learners.

To help teachers understand why we are engaged in a one-to-one initiative, SEED's Jenifer VanDeusen and Mike Nolette prepared and delivered a very informative (and often amusing) presentation on the Millennial Generation. The Millennials include anyone born between 1980 and 2000 and they are the wired generation. The students in our classrooms now are digital natives; they've grown up with technology. It's a major force in their lives and schools must reflect that in order to be relevant.

Teachers then received small group instruction in OS X basics and how to care for the laptops. They also had an opportunity to explore some of the iBook's software, and the SEED TLLs shared resources that teachers can use to learn more about the devices and to get ideas for classroom use.

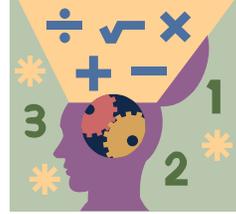
The major outcome for these sessions was that teachers would leave saying, "I can do this, I know why we are doing this, and I know where to get help." Armed with this information and with new-found confidence, these teachers are ready to join us in our one-to-one computing adventure.



## MISTM

Several middle schools in Maine are participating in *Maine's Impact Study of Technology in Mathematics* (MISTM). This is an experimental research study funded by a federal grant awarded to the Department of Education.

The purpose of the study is to determine the effect of technology-rich professional development for 7<sup>th</sup> and 8<sup>th</sup> grade math teachers. Teachers in the experimental group will participate in face-to-face and online workshops



and will receive mentoring and peer-coaching designed to help them use technology to

enhance teaching and learning in mathematics classes.

To learn more about MISTM, visit their web site at <http://www.mistm-maine.us/>.

## Hall-Dale HS Uses GIS Technology

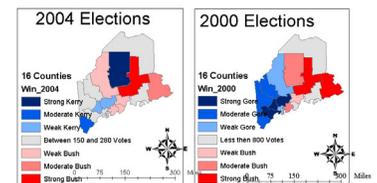
“As Maine Goes, So Goes the Nation.” Election results and GIS have proven to be the perfect combination for helping students understand how technology can help us get a better picture of our state and its residents.

Students at Hale-Dale High School have been using GIS technology to analyze real election results and test their hypotheses about how people voted across the state. Students have collected data from the *Bangor Daily News* Election Returns site and edited existing maps to show voting trends, county by county. They

were then able to compare the 2004 results to 2000 results to look for trends and changes in voting patterns.

Social Studies teacher Gary Chapin and Technology teacher Lydia Leimbach have team taught GIS lessons for the last 4 years and are interested in helping other teachers who would like to know more about using GIS in the classroom. Read more about this project in the Featured Profile section of MaineLearns.

Election Results



[Click on Featured Profile](#)

## MLCI's Lake Science Education Program

The Maine Lakes Conservancy Institute is expanding its *Lake Science Education Program* and is looking for 7<sup>th</sup> grade teachers who are interested in teaching students about local lakes.



This program provides teachers with a multidisciplinary curriculum that is aligned with the Maine Learning Results, the American Association for Advancement of Science

(AAAS) benchmarks, and the North American Association for Environmental Education Excellence in EE- Guidelines for Learning (k-12). Teacher training is also provided

Participating classes can take advantage of MLCI's floating classroom as well as in-school instruction and students can publish their work on MLCI's Students' Portal web site.

For more information, read the article in the Community section of MaineLearns or visit MLCI's web site at <http://www.mlci.org>.



[Click on Community](#)

## Explanatory Maps Online

Maps are powerful teaching tools and many are now offered in digital formats. The Canadian – American Center now has an online version of the *Explanatory Maps of Saint Croix and Acadia*. These maps are bilingual with text in French and English. They were created to celebrate the 400<sup>th</sup> anniversaries of the settlements of Saint Croix Island and Port-Royal.

These maps depict Champlain's exploration



*Click on What Works*



of Acadia and its colonization as well as showing the deportation of Acadians in the mid 1700's and their subsequent return to the Maritimes and northern Maine.

To learn more about these maps, read Betsy Arntzen's article on *MaineLearns* and visit the Canadian - American web site, <http://www.umaine.edu/canam/ham/atlas.htm> to view the maps and download a pdf version.

## Challenger Learning Center

The Challenger Learning Center of Maine is offering a free workshop for teachers, *Rocket to Newton's Laws*, at three locations around the state this December.

These workshops will feature activities and resources for teaching Newton's Laws through simple rocketry. Participants will receive a free activity guide and poster set for classroom use. These lessons are aligned with the Maine Learning Results and include recommended assessments.

The mission of the Challenger Learning



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Center is "To provide a challenging, interdisciplinary, relevant educational experience for the children of Maine, in order to raise student aspirations, to improve educational achievement in mathematics and the sciences, and to inspire interest in science and technology careers"

To learn more about the Challenger Learning Center of Maine and to check out their other offerings, visit their website at

<http://www.clcofme.org>



## Free Parent Seminars

Apple Computer, Inc. is offering a series of free seminars for parents of middle school students. This is an opportunity for parents to get to know more about the MLTI iBooks that their students are bringing home.

In these 2-hour seminars, parents will learn the basics of OS X and get an overview of the iBook's organization. They will also be introduced to some of the iBook's software, including the iLife programs and learn more about how students are using these programs in

school.

Seminars are being offered at the Apple Project Office at Pineland and at various schools around the state. To find a location and to register, parents should be directed to <http://faq.mainelti.org/trainingopp/s/parents.shtml>

If you are interested in sponsoring a seminar at your school, contact Melanie Chasse, [mchasse@apple.com](mailto:mchasse@apple.com).



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## MLTI Update

Published Monthly  
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Read MLTI Update online!

<http://www.mainelearns.org>



Click on About Us

## Kudos to...

... **Donald Sprangers** and students from **Washington Academy** who participated in an EarthWatch Expedition, *Salmon of the Pacific Northwest*. Read about it at <http://www.washingtonacademy.org/sprangers>

## Barbara's and Kelly's Favorites

**Barbara's** favorites for November should get your (and your students') creative juices flowing:

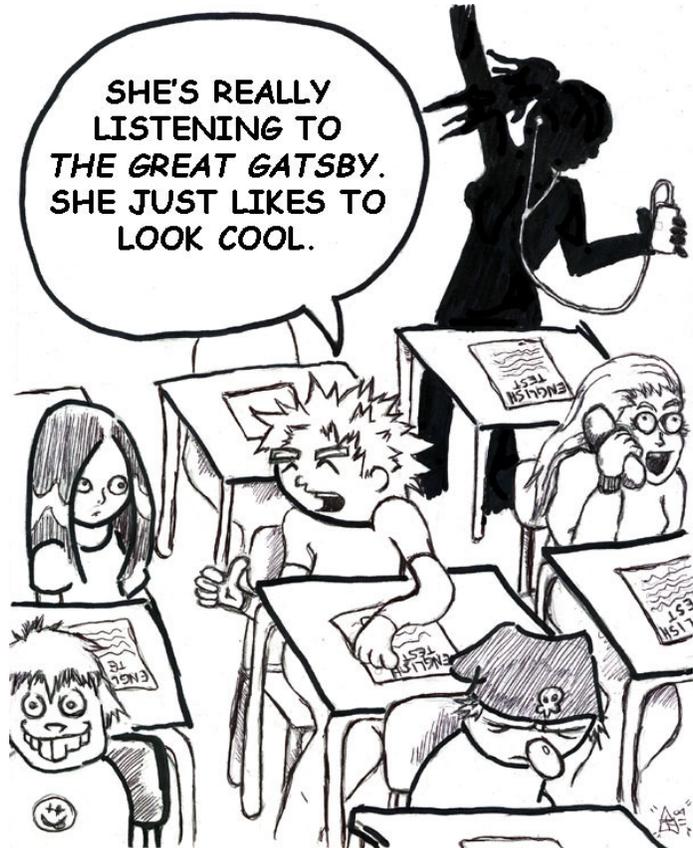
For a little creative fun, point your browser to *Invention at Play*, <http://www.inventionatplay.org>. This site is a companion to a traveling exhibit sponsored by the Lemelson Center for the Study of Invention and Innovation, a part of the National Museum of American History at the Smithsonian.

This is a site where students can explore ways to think creatively and learn about how inventors play. They can invent a new cloud shape, tinker with machines, solve problems with puzzle blocks, or use words to express their

creativity.

Another great site for kids to test their creativity is *NGA Kids ArtZone* at <http://www.nga.gov/kids/zone/zone.htm>. This site, from the National Gallery of Art, has eight different ShockWave activities that students can try. Each activity is designed to allow students to experiment with various visual techniques that artists use. Students can take a screen shot to save their work and insert it into a word processing or journal document where they can write about their creations.

**Next Month: Kelly's Favorites.**



## Quote of the Month

Education is not the filling of a pail, but the lighting of a fire.

*William Butler Yeats*