Block 1 - Student & Teacher Presented Sessions:

Student Tech Team 101: Why, What, Who, and How? (John Jaques & Students from Carrie Ricker Middle School) Not just for grownups! Here is the session you need in order to start, or be a part of your schools Student Tech Team. You'll hear about the reasons for establishing one from the student and adult perspectives, as well as learn, "How to get started." Plenty of time for questions, too! **Block 1: Barrows Hall 131**

Making Your Dream House Real with Sketchup (Sarah Sirois & Students from TW Kelly Dirigo Middle School) Are you a Sketchup user? You want to be, trust us! In this session you will learn how to use this powerful 3-D modeling tool to create the house of your dreams and then pull the numbers out of the model you build to see just how much you'll need in terms of materials to make it real! See you on the building site! **Block 1: D.P. Corbett 107**

Real Science, Real Data, Science Alive! (Kevin Crafts and Students from Bristol Consolidated School) Is algae important? This class found out! Come see what happens when you run automobile exhaust through towers of water and used data probes to collect real-time data. And because what they discovered is worth sharing, they'll share how they used podcasts to spread the word! Warning - come prepared to do real science! **Block 1: D.P. Corbett 115**

Ladies and Gentleman, Live From the Web, It's Dr. Kay! (Scott Bosworth and Students from Skowhegan Middle School) Sure... Internet Safety and Etiquette are important topics... But what if the kids wrote the scripts and produced the PSAs? Get ready to laugh and learn along with the one and only "Dr. Kay!" The presentation will discuss all aspects of this highly engaging and effective activity, and how to create your very own "Superstar!" **Block 1: D.P. Corbett 105**

Helping Our Community Tell Its Stories (Laura Richter and Students from Skowhegan Middle School) Making iMovies and podcasts are cool things to do, but what if those movies and podcasts allowed you, a middle school student, to be one of the people who is actively shaping your community's future? Wikis & NoteShare also played key roles in this ongoing project, and participants will learn how something like this might happen in your school. As an added bonus, Students will also share their student created fashion show filmed and documented in iMovie. The student narration is completely in Spanish and the lovely clothing designs will make you howl. **Block 1: Shibles Hall 202**

File Sharing, Blogs, and Wikis, Oh MY! - (Richard Byrne & Students from Oxford Hills Comprehensive High School) Sure, we all know the web is loaded with free tools, but how can some of the most powerful ones, like blogs, wikis, and file sharing be put to use by teachers and students in an MLTI classroom? In this session participants will learn how to use these resources, more importantly why to use them, and where the best FREE stuff is. Hey, FREE is really important! Guaranteed to make you a more effective collaborator! **Block 1: Neville Hall 101**

This is High School? Fun With Projectiles! (Michael Efron and Students from Cape Elizabeth High School) In this high energy, hands-on session participants will be doing science by firing multiple projectiles around the room in order to collect real data - that's right - real fun with physics! If you're a middle school student who is a tad worried about high school being just a bunch of hard work, come to this session and see how much fun you can have when you're willing to do experiments, think, and use computers to get at and use information in brand new ways. And hey, about the projectile thing...? This session is definitely NOT just for the guys! See you there, boys & girls! **Block 1: Jenness Hall - Soderberg Lobby**

Wii Can Do It! Interactive Whiteboards For All! (Sarah Sutter and Students from Wiscassett High School) Come make an Infrared pen to work with a Wii Remote, your projector and a free piece of software to create a $40 interactive whiteboard. Wiscasset students will explain and demo the interactive board. Everyone will then build an IR “pen” and try it out. You’ll be using an interactive whiteboard in your classroom in no time! (NOTES: This session will be **offered 2 times** - **Block 1 & Block 2: Barrows Hall 221**

Capturing It As It Happens in Video, Audio, and Still Images (Kern Kelley and Students from Nokomis High School) So many events happen in every school... Awards ceremonies, sports, concerts and other cultural events happen regularly. In this session you will learn how the Nokomis Warrior Broadcasting crew (www.nokomiswarriorbroadcasting.com) has made a name for itself by effectively capturing the raw video, stills and audio and editing them and publishing professional quality final products. And you know what? You can too! Come learn how! **Block 1: Barrows Hall 165 Arthur Hill Lecture Hall**

Visualizing Mathematics: Using the Free & Open Education Resource GeoGebra to Explore Interactive Investigations (Pam Buffington of EDC [Educational Development Center] and Students from Winslow Junior High School) This workshop session is designed to engage participants in hands-on explorations with the free and open interactive tool GeoGebra. Session activities will include both facilitated and free exploration of the diverse and powerful features of this interactive tool. Please bring your laptops!! **Block 1: Shibles 35**

VoiceThread Join the Conversation! Let your Voice Be Heard! (Lisa Hogan and Students from Mt. Ararat Middle School) Have you ever created a poem, taken a picture, drawn a comic, or written a story and wanted to share it with a large, safe audience. Well, here is your chance. Come learn how to use VoiceThread an online Web 2.0 tools that will allow you and your classmates with the help of your teacher share, comment, and enjoy your creations. You'll have to keep this marvelous online tool quiet or your mom is going to want to share all your baby photos and more for your entire family to comment! **Block 1: Jenness Hall 104**

Connecting Maine to the World: Epals (Walter Skold and Students from Mt. Ararat Middle School) Are you interested in different cultures? Ever tried to have a pin-pal from China? Isn't it a drag the time it takes letters to cross the ocean and be delivered. Join this group of Mt. Ararat Middle School students and learn how they used ePals to connect with students around the world using email. Learning about each others cultures was easy, fun, quick, and exciting. **Block 1: Jenness Hall 102**

Animating a Figure using Drawing Software (Floyd Wygant and Students from Waterville Senior High School) Learn to use the NeoOffice Impress electronic presentation software as a basic drawing program to produce animations that you can use to demonstrate your understanding of movement, cycles, or any variety of processes. The incorporation of simple animation techniques in a classroom or project allows students and teachers to instruct, demonstrate understanding, display achievement, and have a whole lot of fun. Participants will get practical experience in basic drawing and object manipulation skills using the drawing functions in the presentation software. After creating the animations, participants will use iMovie to render them in to web-ready movies. The electronic presentation images are imported in to iMovie and the movements from slide to slide is transformed into a digital video format. (These techniques work with PowerPoint and other presentation software and various video editing programs.) All experience levels are welcome-handouts and web link. **Block 1: Jenness Hall 116**

Using NoteShare to Work Collaboratively on Real Projects (Ernie Easter and Students from The New Sweden School) UtilizingACTEM's NoteShare Server hosted in Guilford, Maine, New Sweden students put content they are working on in the Notebook as they find or create it, then they access it to build their presentations. In this session students will share their process of building an annotated bibliography of Holocaust literature that is being completely written by students. Plans are underway to share the product with Jackie Littlefield of the Holocaust Human Rights Center of Maine after final editing. So what could your school produce??? **Block 1: Shibles Hall 316**

You learned what on the computer? (Ginny Bracket & Students from Winslow Junior High School) Next year's image will include a modeling program called "Ecobeaker Maine Explorer". These students have used this program to learn how to improve water quality at a local lake. Come and see how to take a computer program and bring it into the real world. Or more importantly, come and see how to take the real world and model it using a computer program. **Block 1: Barrows Hall 130**

We Know About Free Range Chickens, but "Free Range Learning?" (Ann Marie Quirion Hutton & Students from Winslow Junior High School) Ever wonder what your students are doing when they are just out wandering around on their computer? What happens when you let kids loose with technology? Well come see what these creative, self motivated, inquisitive, middle school kids can, and did, do. Everything from animations, to computer programing… You can meet Alice and even two little green machines from OLPC. **Block 1: Neville Hall 227**

Blocks 2 and 3 (NOTE: Most Sessions are Offered Twice!)

Searching the Web - It Is Far From Trivial! (Barbara Greenstone - MLTI) Back for another year... In an ongoing game of "Not so trivial pursuit," participants will be competing for prizes for themselves, and for their school! Dust off those Boolean Logic skills, and come ready to search! **Blocks 2 & 3: D.P. Corbett 100**

Way Too Much Fun with Physics! (Ed Latham & Olga LaPlante - MLTI-eMINTS) Are you a gamer? You think you can draw a stick figure with ease? Do you know anything about Physics? Come on in to put all of your skills to the test in this fully interactive learning experience. Students will be using an online "game" to study how simulations correlate to real life physics. (Note: Artistic skills, gaming skills, and some patience can help a bit, but a willingness to have a blast learning in a simulated environment is a must. Please note that students having difficulties with a track pad may wish to bring an external mouse. If you have access to a writing tablet at your school you may want to bring it to this session. Students will use an online forum for processing their experiences and cool products they make.) **Blocks 2 & 3: D.P. Corbett 107**

iTunes, Metadata, and Smart Playlists (Curtis Armstrong - Apple) Metadata has to do with the stuff that goes on in the background of our digital lives. Those who understand it can do so much more than those who don't. Curtis gets it, and he would love to help you understand. Want to teach your iPod some new tricks? Very useful for those who want better control over iPod & iTunes play lists and for those who manage multiple iPods. And of course, bring your iPod if you have one! **Blocks 2 & 3: D.P. Corbett 105**

Automate your Mac: making workflows with Automator (Eric Williams - Apple) In this session we'll discuss how you might start taking control of your Macintosh. Computers are great tools for doing what you tell them to do, especially for repeated tasks. Automator is a free tool in Mac OS X that gets you started down the path of making your Mac work for you. We'll collaborate as a group to develop workflows to solve problems, then see if Automator can be used to develop simple programs to make the computer do the work. Bring your laptops and your ideas. **Blocks 2 & 3: Jenness Hall 106**

Troubleshooting the iBooks - Somebody's Got to Fix It... (Crystal Priest - MSAD #4) If you're a techy kid or a techy teacher, you know you can never learn too much about keeping MLTI iBooks running. In this session you'll learn from someone who works on these babies every day, and will come away knowing things that will make you a valuable asset when someone in your class or in the teacher's room says, "Hey, does anyone know how to...?" **Blocks 2 & 3: Shibles Hall 202**

Digital Imagery - Moving Beyond Snapshots to Powerful Images (David Patterson - Maine Department of Education) Everyone can see the difference between a good digital image and a great one. In this session participants will learn how to capture images that really tell a story - how important it is to think about point of view and framing the shot, as well as some great technical camera tips great photographers know. Also included will be a few tips on using iPhoto like a pro. Bring your digital camera with you to make this truly hands-on! **Blocks 2 & 3: Barrows Hall 131**

Make a World of Difference: A My World and Google Earth Mashup (Jim Wells - MLTI) Create a map in My World, overlay it in Google Earth, write a descriptive placemark and behold: a bold style of showing the world your fantastic work! Learn how to use the two GIS applications on the MLTI image to bring alive presentations and projects. This session will be of use to anyone who uses environmental data, historic information, literary pieces, mathematic interpretations and real world world situations - in short, everyone is welcome. No prior knowledge of either application is necessary, so start from scratch and create some dynamic images. **Blocks 2 & 3: Shibles Hall 311**

Sneak Peek at the 2008-09 MLTI Image (Jeff Mao - Maine Department of Education) Life goes on... Change happens, and come September of '08 the MLTI iBooks will be running on a new image. Come see it in action and hear about what software is sticking around, and what will be new - be ahead of the game, so when the rest of the class is asking, "What happened to...?" you can reply with - "Oh, here is how you do that now, and in fact, let me show you some cool stuff we couldn't do before!" **Blocks 2 & 3: Barrows Hall 123**

More than Just Funny Pictures - Photobooth Overview (Jen Lykens - Apple) The MLTI iBooks will be running Leopard, the latest version of Mac OS X next fall, which includes a new application called Photobooth. Armed with a USB or Firewire camera, you can do all kinds of cool stuff with Photobooth! From pictures of your friends in Ancient Greece for history class to fractals for math and all kinds of cool stuff for art, Photobooth is a great way to get creative on your iBook! So bring along a camera if you can, and be sure to come to this session ready to be excited about the possibilities. **Blocks 2 & 3: Shibles Hall 201**

Rhythm, Rap and Rhyme (Alan Kaschub - USM School of Music) This session will explore how Finale Notepad and Garageband can be used to compose, notate and record Rap compositions. When students listen to Rap music they are listening to a sophisticated combination of musical rhythms, literary techniques and social commentary. When students create their own Rap music, they learn, through problem-solving, a great deal about the way music and language are organized rhythmically. Questions of meter, accent, rhyme, balance, phrasing and meaning are rolled into one challenging project whose final product can be a source of great pride to a young artist. In this session a process for composing and recording rap music will be demonstrated. Session attendees will have the opportunity to begin creating their own composition while listening to examples of both student work and the work of some of today's most influential rappers. **Block 2: Barrows Hall 165 Arthur Hill Lecture Hall**

There ain't no cure for the Garageband Blues! (Alan Kaschub - USM School of Music) Garageband is a sophisticated, easy to use music recording and production tool. Experience the power of this software while composing, performing and improvising fantastic sounding blues music! The repeating chord progressions of 12 bar blues have long provided a great entry level improvising experience for instrumental music students. 1:1 laptops have now made it possible for anyone who can type to experience improvisation in an experimental, hands-on learning experience. Learn about the blues by listening to Stevie Ray Vaughn and get ready to rock as you jam over the same chords! **Block 3: Barrows Hall 165 Arthur Hill Lecture Hall**

Who Do We Trust? (Jim Burke - MLTI-eMINTS) We live in a world that has a flood of information resources. How do we decide which information is true? How do we sort out what is most reliable? Let's look at some handy tools and ideas that help to make sense of it all. **Blocks 2 & 3: Jenness Hall 104**

Show Me : Digital cameras in every classroom (Sarah Sutter - Wiscasset High School) Learn how to use your digital camera to measure acceleration/ deceleration, take pictures through a microscope, have students explain math concepts through imagery, produce documentation of student work for portfolios, and more. Even the most basic digital camera has settings that will let you do some remarkable projects in your classroom. Students with access to digital cameras can document their own learning for later reflection in Noteshare or on an interactive Voicethread. A digital camera is a great tool for teachers and students alike to create multimedia content that enriches and supports instruction and assessment in all curricular areas. BRING YOUR OWN DIGITAL CAMERA for hands on activities and explanation of camera functions. **Blocks 2 & 3: Barrows Hall 130**

How to prove to your parents, your teachers, and your principal that gaming is worthwhile. (Tim Hart - UMaine Department of Education and Human Development) Way too many people hear the word "gaming," and immediately think "bad stuff." You know it doesn't have to be that way, and in this hands on, game-filled session you will get a chance to see how those games you love to play are really building your brain power. And you'll be able to explain it to others, too! **Blocks 2 & 3: Neville Hall 101**

Zoom! Picture from Those Big Digital Cameras in the Sky (Jeff Beaudry - University of Southern Maine and Digital Earth Watch, with Rita Freuder, UNH; Polly Wilson, Deering High School) Come learn about big, digital cameras in the sky, satellites, and the pictures they take. Learn how to get satellite images (FREE) of any place in the continental USA and the image analysis software (FREE) from our web site (mvh.sr.unh.edu). Also, come in and try on the Purple Filter goggles used by foresters, infrared goggles, and use color filters to look at the health of plants, flowers and trees. Use color analysis software, available for FREE to figure out more about how color tells us about the health of plants. See our web site (mvh.sr.unh.edu) **Block 2: Shibles Hall 320**

Bet you can't you beat your amazing computer at a color mixing game!(Jeff Beaudry - University of Southern Maine and Digital Earth Watch, with Rita Freuder, UNH; Polly Wilson, Deering High School) With our color mixing software (FREE) you can learn how to mix red, green and blue, and a few other colors. Play a partner or play the computer. By the way, do you know the difference between mixing paint color and mixing light color? The computer does. See our web site (mvh.sr.unh.edu) **Block 3: Shibles Hall 320**

High-Tech Help Wanted: Be a Beta Tester! (Sarah Kirn - Gulf of Maine Research Institute) Over the next three years the Gulf of Maine Research Institute will be working to develop a new software tool called Vital Signs. And like any software development effort, there will have to be folks willing to exercise the software as it goes through development to help identify its strengths and weaknesses - to find bugs and help remove them, to find functions that can be improved and improve them. In this session participants will get a chance to hear more about the project and share their own ideas on how the software should work and more. Talk about your opportunities! Don't miss this chance to help create a software tool that you and younger students may use in years to come! **Blocks 2 & 3: D.P. Corbett 115**

From creating your own computer game to doing your geometry homework - learn how to use MicroWorlds! (Gail Garthwait - The College of Education & Human Development at UMaine) When it comes to technology, it is always the folks who are programming that run the show... This session is all about making you more powerful! Learning MicroWorlds EX lets you create your own avatars and script your own "programs." Students and teachers alike will benifit from learning just how much they can do when they start to see technology, "from the other side." **Blocks 2 & 3: Shibles 35**

Oh My Goodness! I Blew up the Screen! (Bruce Segee - Super Computing, Electrical and Computer Engineering Department at UMaine) This session will explore high resolution visualization using tiled displays. Students will generate large images (the current idea is fractals, but may be something else) based on inquiry-based exploration. Students will work in teams to not only create the images, but also to view them. Each student's laptop will be used to display a piece of the overall image, allowing both a larger display and higher resolution than could be attained with a single laptop. **Blocks 2 & 3: Student Innovation Center**

ComicLife - Be a Comic Book Hero! (Eric Chamberlin - Boothbay Region High School) Garfield, Far Side and Calvin and Hobbes will have nothing on you as you become a comic book hero using Comic Life. Whether to create a story board for a movie you are creating, or to create a neat cover page for a report, Comic Life is an easy to use yet deceptively powerful program that will unleash your inner creativity. Come check it out! We'll even create a comic strip with you as the star! **Blocks 2 & 3: Neville Hall 227**

Harness the Power of Data with Datastudio (Lara Sharp - PASCO) Ever wonder what that Datastudio icon on the MLTI image does? Come explore the power of Datastudio as a data analysis program. Participants will interact with probeware that can link directly with Datastudio and take data in real time. Need to be able to "see" data in a new way to really understand what is going on, or to be able to explain things to others? In this session you will learn how Datastudio can be used to both learn and teach. **Blocks 2 & 3: Jenness Hall 102**

There Must Be 50 Ways to Show You Get It! (Cynthia Curry - MLTI & ALLTech) Does it ever seem like some of your teachers think there is only one way to show that you understand something? Are there times when you are really being tested on your ability to write 5 pages or make a snappy poster rather than the big ideas you are supposed to be learning? Do you ever find yourself feeling sort of "stupid" even though you really do understand something and it is just the way you are being asked to prove your understanding is the problem? If any of this sounds familiar, come to this session and see how Universal Design for Learning (UDL) can help you as a student to both learn and show that you've learned, and even help your teacher reach more kids! **Blocks 2 & 3: Jenness Hall 116**

No More Lost Papers! Studywiz Makes it Possible! (Ernie Easter - New Sweden School) If losing papers gets you in hot water from time to time, come see what is possible in a Studywiz powered classroom. Assignments show up on your digital desktop and are passed in electronically. Every MLTI school can do this kind of thing - come see what can happen when a teacher and her students really take advantage of the possibility! **Block 2: Shibles Hall 316**

This schedule will be valid as of posting, but be aware that locations and actual sessions may change at the conference... Check for updates