



MLTI Student Tech Team Conference

~ 2010 Focus: M-STEM ~

Maine Learners, Science, Technology, Engineering, & Mathematics

May 27, 2010

University of Maine Orono

Block 1 Workshop Sessions

9:25 AM - 10:25 AM

B101: "I came, I saw, iPod!"

Presenters: Mary C. McCarthy & Students from Middle School of the Kennebunks

In addition to re-designing GREEN Hotel Rooms at Kennebunkport's Nonantum Resort, Art Students from the Middle School of the Kennebunks have created Audio/video Podcasts of their local favorites - food, restaurants, rainy day ideas, local haunts and of course, shopping. Prospective visitors can download these onto their ipods to listen to before their trip, and hotel guests can download them prior to setting out to tour the local area. Real world projects like this connect kids, ideas, technology, schools, and the community to real work. This is not make believe - it's real! In this session participants will learn how this could happen in their own community. And don't worry - ample suggestions will be shared of other REAL-life projects that could be used in your school and community!!

B102: Internet Radio Station Creation - "Live, From Newcastle, Maine..."

Presenters: Thomas Steele-Maley & Students from Lincoln Academy

This year Lincoln Academy students created an internet radio station for their global service learning projects. While the framework for the station took shape, students researched and wrote on myriad global issues that were important to them. This session will focus on how an MLTI school can build an internet radio station from the ground-up. Come hear the experiences of students who co-planned and implemented their public, student-run internet radio station for a class service learning project at Lincoln Academy. Learn the process from student leaders on the project, ask questions and get a chance to stream live from the conference!

B103: Digitizing History: The Maine Community Heritage Project

Presenters: Jessica Kelly & Students from Scarborough Middle School

This dynamic presentation will take participants on a whirlwind journey through a year-long community project to create vibrant online local history exhibits from scratch using a wide variety of easily accessible FREE tools. Participants will explore the Scarborough website, other resources on Maine Memory, and platforms like Skype and Ning. After this session, participants will know how to access and use the Maine Memory Network and its wide variety of tools, have a greater understanding of primary historical documents and how to "hear their stories," have a greater appreciation for the ways local history connect to the bigger picture of state and national history, and be ready to use online tools like Skype and Ning to make local history come alive in modern formats.

B104: Get Published! Screen Saver Photos!

Presenters: Argy Nestor and David Patterson of the Maine Department of Education, Frank Chin & Student from Skowhegan Middle School

Would you like to get YOUR photograph on the MLTI laptop screen savers? Want to see your work published on 70,000 plus MacBooks across the state of Maine before you go off to college? Attend this session to learn the details of the contest and meet one of the artists whose work has been selected to be a part of the 2010-11 MLTI screensaver. Next year Maine K-12 students will once again be invited to submit photographs to be considered for inclusion on the MLTI laptops screen savers. Participants in this session will be well prepared to go for it by getting photography tips from the student, teacher and judge and having a chance to see this year's selected photographs and learn about why they were selected. Bring along some of your own best pictures to share!

B105: One Voice Is All it Takes

Presenters: Lydia Leimbach & Students from Hall-Dale Middle School

One voice is all it takes to make a difference- make it yours! In this session, learn how your talents can be put to use in a Public Service Announcement to be posted online in the fall as part of a campaign to increase volunteerism. Students will learn the steps necessary to make their own PSA and will use copyright free image and music sites to find resources for their project. In addition, students will be asked to lend their voices and ideas for the creation of the larger PSA.

B106: Intro to iTeams: How to start up a Student Technology Team

Presenters: Kyle Beeton & Students from Whitefield Elementary School

Do you notice that some kids are just naturals on the computer? With a little guidance, those naturals can really shine, and at the same time be a valuable resource to the school. Come see how Whitefield Elementary School has established its student tech team (or iTeam). You'll learn what we do, why we do it, how we got started, and maybe a few things you didn't know about the MacBooks.

B107: News is Now, News is Complex, News is Us, News is Important!

Presenters: Nicole Poulin & Students from Messalonskee Middle School

Learn how to start and organize a news club in your school. What are the parts? What do I need to know? What is the related software? How do I publish? Come learn about how we did it (5-10 min.) and then pick a piece of software and learn about how to use it. The large group will split into three smaller groups. You pick what you want to learn: Podcasts, iMovie, or iWeb! We'll first show you a news piece produced by us (1minute). Then we will have "raw" video, pictures, and audio files loaded on a thumb drive. We'll walk you through the editing process! You will become news attending this session; we will produce a story out of this session and the whole session at the end of the day will see you at work!

B108: Get Your Geek On! Starting a High School Tech Team

Presenters: Shana Goodall & Students from Orono High School

Description: Are you interested in starting a student technology team to support student and teachers at your high school? Come meet with the Orono High School Geek Squad to learn form their triumphs and tragedies in their first year. Our presentation will encourage schools to include students in support of technology in their schools. Bring your questions and your concerns to this session and the students and faculty of the OHS Geek Squad will answer your questions. Students and teachers will leave the session ready to go back to their school and set-up their own iTeam/Geek Squad.

B109: These Aren't Your Brother's Legos

Presenters: Jeremy Fitzgerald & Students from Winslow Junior High School

We have been playing with Legos in our industrial Tech class. But our Legos do what we tell them to, (most of the time). Come and learn from us how to build and program a robot, using Lego Mindstorm kits. Programming small robots is deceptively simple. This session will allow you to interact with a robot and your computer to complete a "simple" task. You will start thinking about how the robot moves, step by step. We will be bringing our robots, and one of our challenge courses. You will be supplying the brains... no brawn needed! By the end of this session, you will have mastered some of the rudiments of robotic programming. (Well maybe not mastered! But you will have really tried!)

B110: Imagine Your Own Wonderland with Alice

Presenters: Jamee Luce & Students from Messalonskee HS

This session will provide you with the basic understanding of how the object-oriented programming environment Alice works. With what you learn in this interactive, hands-on session, you will be able to begin creating your own interactive 3D games, movies, stories, art and soooo much more!

B111: Challenges Without Borders - International Collaboration Gets Real!

Presenters: Lisa Hogan & Students from Mt. Ararat High School

Description: OK, we all know there are real challenges in schools everywhere. Deciding how to make best use of limited bandwidth is often one of them. Most often challenges like this get "solved" by tech folks making all the decisions. In this session you'll learn how Mt. Ararat High School students are working collaboratively with students in Singapore to solve this real challenge. Participants will come away ready to explore the establishment of their own international collaborations, complete with what tools to use and how to get started. "Students, start you international challenge-solving engines!"

B112: Get With the Program to Animate Your Evidence of Learning

Presenters: Stephen Spaeth & Students from Mt. Ararat Middle School

Does it ever seem like the only way to convince your teachers or your parents that you understand something is with a five page paper or a completed set of mathematical computations? In this session you'll learn how to use the object-oriented programming tool Alice to create games and interactive animations that will show not only teachers and parents, but the whole world what you know and can do! Participants will see what is possible and learn how to get started using these tools in their schools.

B113: Go Science! Get Creative!

Presenters: Lori Stevens, Sharon Littlefield & Students from Warsaw Middle School

Science does not have to be dull and boring. In fact, it is vital that students have the opportunity to experience real science and share their results in creative ways. In this session you'll learn how Comic Life can be used to show what you know. Participants will see how we used Comic Life to show what we know about biodiversity, and then they'll get a chance to learn how to use this creative tool in their own classrooms. You'll learn the basics, plus lots of tips and tricks!

B114: HTML and CSS, What Are These Acronyms and How Are They Used?

Presenters: Adam Murray & Students from Messalonskee Middle School

Visit any website... Do you ever wish you could design something as cool as that? Now you can! While most webpages use Javascript and PHP to make special effects, you can still learn the basics with HTML and CSS. Come on in, and we will show you how to create a beyond "basic" web page

without using a WYSIWYG editor! You'll soon see that the possibilities are endless! And once you understand the coding a little better, you'll be able to do even more with web pages! Pre-installing TextWrangler for this session would be helpful.

B115: Win a Grammy!

Presenters: Deborah Gendreau & Students from Wisdom High School

COMPUTERS?! Ever wanted to be a movie star? Using iMovie and other iLife tools you can be a movie producer, editor, and star all in one! Use still photos, videos, props, sound, and mix in special effects, transitions, and editing to create award winning videos. Creations are guaranteed to make you want to learn long after class is over. Join us to bring back exciting project ideas back to the classroom and your school. Never be bored again!

B116: Skype in the Classroom? It CAN work!

Presenters: Carl Bucciantini & Students from Auburn Middle School

"Skype should be blocked!" "All kids do is use it to send messages to their friends." "Skype is just one more thing for me to police in my classroom." Do any of these sound familiar? Students from Auburn Middle School will show how they are using Skype to help themselves and their teachers become more responsible users of technology. After this session you'll be ready to make the case for purposeful use of this powerful tool in your school, too!

B117: Participate, Create, Imagine with Scratch!

Presenters: Bob Sprinkle & Students from Wells Elementary School

Come learn the basics of the Amazing, Wonderful, Magical, Mind-blowing, Unbeatable, Revolutionary, Successful, SCRATCH! The 4th graders of Wells Elementary will proudly present their own successes and learning and lead you in hands-on programming exercises. Most of the time we won't be telling you what to do, so you will be thinking in a different way because you are trying something on your own. We will be having you work with different people to show you that this is how your jobs will be in the future. You will learn the basics of creating games, movies, and simulations that you can then make at home or in the classroom.

B118: Photobooth for Education: Six Sensational Suggestions

Presenters: Tyra Payne & Students from Caravel Middle School

Photobooth is a hit with students, so how can we make it a hit with teachers, too? Instead of writing papers and making posters to demonstrate our learning, why not use what we love about Photobooth? In this session, we will all explore six ideas for using Photobooth in the classroom to demonstrate learning in modern, creative, and meaningful ways. Come join us to explore Photobooth and create your own project!

B119: Using a Ning or Other Social Networking Tools to Bring Characters Alive: StayinginCharacter.ning

Presenters: Julie Esch and Bruce Peloquin & Students from Wells Junior High School

Imagine a social network where you don't meet up with your friends, but instead with characters from a novel you are reading! What if you could ask them questions about, "...why they did that," or, "...why they decided to go along with that group of kids?" And what if you were in that social network as a character yourself, and had to answer questions from your classmates as if you were living the life of

your character? In this session you will hear about how we did this, and learn to be able to do this yourselves! Come join our social network!

B120: Picturing Change: iPhoto Sharing Goes Green!

Presenters: Saul Lindauer & Students from Wells Junior High School

In our school it was about Going Green. Going Green is key. Sustainability is the way. How many of your schools do as much as they can to conserve on resources and demonstrate sustainable practices? At your school, do you collect returnables, do you have a green store, do you have styrofoam in your cafeteria, do you recycle, do you have a school garden, do you support local farmers by celebrating Maine Harvest Week, do you provide alternatives to bottled water? How many of you would like to see these things happen in your school? Using your MLTI laptops and the power of photos is a great way to get your message out. In this session you'll learn how to use images and iPhoto to effectively drive change. What do you want to change in your school?

B121: The Places You Could Go

Presenters: MJ Stafford & Students from Winslow Junior High School

Ever wanted to make a map of your fantasy vacation? A trip to all the roller coasters on the east coast? A tour of the National League ballparks? How about making a map of Magellan's voyage around Cape Horn? In this session you will learn how to use Google Maps to create a tour. Participants will make a UMaine tour including pictures. Google Maps and Earth are programs that can be used across many disciplines. By the time you finish this session, you will be making your own Google Lit tour.

B122: How many pictures did you take with that laptop?

Presenters: Ginny Brackett & Students from Winslow Junior High School

Ever wonder exactly what you can do with PhotoBooth? Our students will show you what they did with theirs: They made a movie, frame by frame. This session will give you experience creating your own stop gap animation movie. Our students will show you some they have made, and walk you through the process. By the end of the session you will have your very own movie!

B123: Twisted Reality

Presenters: Dave Boardman & Students from Messalonskee High School

Description: Take your favorite Hollywood movie and turn it upside down. Make horror funny, romance scary, comedy just plain tear-jerking in this session that helps participants take existing video, animation, and music and remix it to create a completely new meaning that'll both teach and entertain. You'll leave with a video of your own and a new way to show what you know in any content area.

B124: LIVE, It's the BenNBen Show! (But it could be YOUR SHOW!)

Presenters: Alice Barr & Students from Yarmouth High School

Description: The Ben 'N Ben Show... models an innovative way for students to have a voice while making the best use of the fantastic opportunities provided by the MLTI program. Come and take part in a LIVE broadcast that will feature a panel of guests from around the country. Run by two juniors from Yarmouth High School, Ben M and Ben N, this is a monthly podcast that the two started this fall. As a part of the audience, you will have the opportunity to ask and answer questions and learn how to start your own show at your school. Come see this example of technological innovation at its best!

B125: U + Mac=Better Communities

Presenters: David Hilton & Students from Lyman Moore Middle School

Description: Combine caring students and technology and watch communities improve! Students will demonstrate how to address community issues while integrating technology with Project Citizen. Project Citizen engages students in a service-learning process through which they identify and seek to solve a problem in their community. By integrating the process of Project Citizen with the advantages of technology to efficiently gather, process, and present information, students can develop and propose policies that will create the change in the community that they want to see.

B126: No More Paper Posters! Go Green with Glogster

Presenters: Beth Goodwin & Students from Wells Junior High School

Say good bye to the wrinkly, neon-colored, oversized, floppy, paper poster and say, "Hellooooo Glogster!" Come to this workshop to see how to make a free multi-media presentation for your next project. Glogs can include animation, text, images, music and video...even your own voice recording. You will see examples of Glogs we've used for assignments, receive instruction on how we made them, and use your MacBook to begin creating your very own Glog. And how many sessions come with a guarantee? Ours does! Teachers and students please note: "We guarantee that Glogs are more fun to make, more portable, more individualized, and more engaging for your audience than a paper poster." The EduGlogster version is free and allows up to 200 individual classroom accounts.

B127: iLike it, You'll Like It: iWeb! - A New Way to Present Knowledge in the Classroom.

Presenters: John Moody & Students from Calais Middle School

Description: Even if you are unable to publish content to the World Wide Web, you can use iWeb to effectively demonstrate and share information and learning. Come learn how 8th grade students at Calais Middle School used iWeb as a multimedia platform to demonstrate their learning during a recent research project. In this workshop CMS students will present a multimedia website they built based on their research of the Mayan city of Tikal. The students then published the website to their desktop where it could be shared with others. The students will then provide a step-by-step lesson in how you can build your own web page to demonstrate knowledge.

(When you attend make sure you have multimedia content on your computer so you can learn by doing. We will be demonstrating how to add quicktime video, pictures, audio, and text.)

B128: Collaborative Game Proposal

Presenters: Ed Latham, Olga LaPlante & Students from Wisdom Jr/Sr High

Description: Adults in many schools have finally conceded that games may have educational value, BUT they are not totally sold yet. Many school leaders have developed a set of questions they need addressed. In this session we'll play some selected games and provide answers that will help everyone formulate an effective argument that will address the adults' concerns and needs while opening the door to Edutainment in school. Be part of the solution! Join students from all over the state in creating the argument for the merits of using games for instruction.

B129: Interactive Programing with Scratch: Yes, You Can!

Presenters: Dee Kopesky & Students from Camden Rockport Middle School

Description: Ever wonder how computer games are created? Scratch is FREE object oriented programming language. With it, you can build interactive games, models and even teaching aids that

illustrate curriculum topics. And not only can you build great things, you can also upload your creations to the Scratch website where they can be shared with other Scratch users from around the world!

B130: Work Like a Pro: Professional Grade Graphic Design in Pages

Presenters: David Grant & Students from King Middle School

At King Middle School students engage in interdisciplinary learning expeditions, taking on the roles of professionals. They produce final products that showcase learning that are based upon professional models. Participants in this workshop will get the flavor of expeditionary learning at King, and walk away with hands on skills in Pages. After this session, you'll be ready to mix scientific and social topics with graphic design principles to create compelling professional style brochures and posters. This session will focus on two graphic design products made by 7th and 8th grade teams at King Middle School in Portland this fall. These projects can be seen in detail at the King Middle School website [here](#) and [here](#).

Participants will learn the techniques students and teachers used to make these products using software available on all MTLI machines.

B131: It's All About Design - Using Sketchup Like a Pro

Presenters: Bonnie Roskes - 3Dvinci.net & Student from Winslow Junior High

Have you ever found yourself wondering, "If Sketchup is not a toy, then how come it is so much fun???" In this session you'll have plenty of fun as you learn some power tips from a real Sketchup professional. Participants will get started designing the room of their dreams - building the walls, importing components, creating your own components, and more! (NOTE: As an added bonus experience, presenter Bonnie Roskes will be joining the conference via teleconference, so participants will not only be learning about current tools, they'll be learning in a very current way!)

B132: Scoring the Music of Flight: Creating Film Music for Scenes of Flying

Presenters: Alan Kaschub - Instructor of Music, USM School of Music & Brian Tingdahl, Senior Music Education Major at USM

In this session, participants will listen carefully to excerpts of film music from flying scenes, examine techniques that composers use to illustrate flight and compose their own flying music to a scene from a movie. Students will learn to "score to picture" in Garageband, add cues for important moments, and use advanced features of Garageband to create a compelling film score. No experience with music, music notation, music theory or playing an instrument is necessary.