

## **PRE-CONFERENCE WORKSHOPS**

The half-day workshop fee is \$60 (\$65 if paid after Feb. 23, 2010) and the full-day workshop fee is \$100 (\$110 if paid after Feb. 23, 2010). Pre-conference workshop registration is available only online at [www.macul.org](http://www.macul.org).

### **SIGCS: Starting or Expanding a Robotics Program**

**8:30 AM to 12:00 PM • DeVos Place • Gallery Overlook F, Upper Level**

*Richard Lamb, Computer Department Chair, Cranbrook Schools*

Looking to start a robotics program at your school, or to modify one you already have? This session is designed for people new to robotics, as well as more experienced educators. It will cover many levels, for both middle school and high school: LEGOS (FIRST Lego League), FTC (FIRST Tech Competition), VRC (VEX Robotics Competition), Robofest, and an introduction to FRC (FIRST Robotics Competition). While this is primarily a video and question/answer format, some demonstration robots will be on hand. Learn about each competition, the kits and fields that are used, what is needed to qualify for national levels, and what costs are involved.

### **SIGEE 1: Free Field Trips With Google Earth and Google Lit Trips**

**8:30 AM to 12:00 PM • DeVos Place • Gallery Overlook A, Upper Level**

*Andy Losik, MACUL Educator of the Year 2009, Hamilton Schools*

Come spend the morning with Andy Losik, MACUL Educator of the Year 2009, and learn the in's and out's of Google Earth, how to create enhanced placemarks, and save the file so that you can share it with students and other educators. Andy will also use Google Lit Trips to guide your students through some pieces of literature using Google Earth and show you how easy it is to create your own trip through a piece of literature.

### **SIGEE 2: Integrating Web 2.0 Tools With Discovery Streaming**

**1:00 to 4:30 PM • DeVos Place • Gallery Overlook A, Upper Level**

*Mike Bryant, Discovery Education DEN Team, Discovery Education*

You've explored and used Discovery Streaming, now touch up on some of the basics and rise to the next level. Come learn how some really neat Web 2.0 tools can be integrated into Discovery Streaming to really make your lessons come alive!

### **SIGMM 1: iLife Overview, Tips, and Tricks**

**8:30 AM to 12:00 PM • DeVos Place • Gallery Overlook C, Upper Level**

*Leslie Fisher, Geek, [lesliefisher.com](http://lesliefisher.com)*

Leslie Fisher offers a humorous introduction (or reintroduction) to the cool tools of Mac iLife (ie: iMovie, iPhoto, iWeb, and iLife). Highlights include podcasting with iMovie, editing/sharing videos with iMovie, making easy web pages with iWeb, and organizing/editing your photos with iPhoto. These tips and tricks will give beginners a great start or help intermediate users see what they might have been missing. Bring your own, or use one of our Mac laptops (as available on a first-come, first-served basis). If you are considering a Mac purchase, this is the place to start!

## **SIGMM 2: Digital Photography: Tips for Taking and Editing Great Photos!**

**1:00 to 4:30 PM • DeVos Place • Gallery Overlook C, Upper Level**

*Leslie Fisher, Geek, [lesliefisher.com](http://lesliefisher.com)*

A fun and informative workshop for educators! Learn tips for creating great digital photos as well as tricks for editing with Photoshop Elements and iPhoto. Planned topics include photography tips, project ideas, photo editing, file formats, as well as strategies for organizing photos in Photoshop Elements and iPhoto. While geared for beginning and intermediate users, all are welcome. Mac laptops will be available for hands-on practice as available on a first-come, first-served basis. Better yet, bring your own laptop for a more personalized experience. Be prepared to be awed, inspired and have your funny bone tickled!

## **SIGMM 3: Hands-On Video**

**8:30 AM to 12:00 PM • DeVos Place • Gallery Overlook E, Upper Level**

*Jim Morrison, Video Training Consultant*

This class is targeted to those teachers who want to “jump start” their understanding of video production with the techniques and equipment used to create videos. Teachers participate in an extensive series of hands-on activities using cameras, microphones, mixers, teleprompters, and laptops to create video projects. This course is designed around realistic activities appropriate for a school setting. It gives teachers the skills and confidence that they need to begin creating video in their school. Enrollment limited to 18.

## **SIGMM 4: Video on a Shoestring**

**1:00 to 4:30 PM • DeVos Place • Gallery Overlook E, Upper Level**

*Jim Morrison, Video Training Consultant*

Many education professionals believe that producing good, creative video in a school setting is an expensive proposition. While it can be costly, it doesn't have to be. This course is designed to show resource challenged teachers and education professionals how to produce video in their schools. The course begins with a brief explanation of video and the equipment used in video production and moves on to a series of hands-on activities. These activities show how to begin creating videos, with used or older equipment they may already have in their school or can acquire inexpensively. Enrollment limited to 18.

## **SIGPL 1: Collaborative Online Tools to Support Teacher Learning**

**8:30 AM to 12:00 PM • Rockford Christian School**

*Stephen Best, Outreach and Professional Development, University of Michigan-Ann Arbor*

Web 2.0 tools are great for supporting students, sure, but what about teachers? In this workshop, we'll explore a number of tools and resources for teachers to collaborate and engage in ongoing professional development. We'll look at a number of tools and how they can best help teacher learning, and will see what some of the newest generation of online tools can do to help support learning communities and individual professional development.

## **SIGPL 2: iTeach – Using iPods/iPhones in the Classroom**

**1:00 to 4:30 PM • Rockford Christian School**

*Stephen Best, Outreach and Professional Development, University of Michigan-Ann Arbor*

It's not just an entertainment device or phone – the iPod/iPhone has more power and functionality than many computers in your school! This workshop will provide an overview of how the iPod and iPhone can be used as teaching and learning tools. We'll look at a variety of applications, along with strategies for how teachers can use these devices to be more knowledgeable and productive for their own work, and how they can use these with students to support learning.

## **SIGPL 3: Survival Training for Tech Integration Specialists**

**8:30 AM to 4:30 PM • Grand Rapids Christian Middle School**

*Scott Schopieray, Director of Educational Technology, Michigan State University*

Sure, you've used technology quite a bit in your own teaching, but what do you do when you are suddenly given the responsibility of leading your colleagues from the land of the luddites into the 21st century? This hands-on workshop will address all of the considerations of being a technology leader in your school. Specifically, we'll focus on how to provide quality professional development around technology use to your colleagues in an effective and efficient manner.

## **SIGPL 4: Creating Your Digital Writing Workshop**

**8:30 AM to 4:30 PM • Grand Rapids Christian Middle School**

*Troy Hicks, Central Michigan University*

What does technology integration look like in writing classrooms? Troy Hicks, author of *The Digital Writing Workshop*, will invite you into the process of digital writing, both as writers and teachers of writing. Explore how established practices in the writing workshop approach can be adapted with digital writing tools. Participants will create wiki pages they can use in their classroom, in addition to seeing examples of digital writing from a variety of classrooms. Lunch will be provided.

## **SIGSPED1: Differentiating Instruction With Audio Books, Text Readers, and Related Technology**

**8:30 AM to 12:00 PM • DeVos Place • Gallery Overlook B, Upper Level**

*Kelli Esteves and Susan English, Aquinas College*

Lack of motivation, poor attention, reading difficulties, and language deficits pose significant obstacles to developing literacy across the curriculum. This presentation will focus on how teachers can improve reading fluency, comprehension, vocabulary, and attitudes about reading with the use of user-friendly, assistive technology. Workshop activities include exposure to software tools, reading pens, MP3 players, and more. By the conclusion of the workshop, participants will: a) be familiar with research which supports use of audio-assistive technology; b) identify procedures, resources, and devices needed to implement technology; and c) understand when, why, and how to use technology appropriately to support literacy.

## **SIGSPED 2: Video Expressions**

**1:00 to 4:30 PM • DeVos Place • Gallery Overlook B, Upper Level**

*Rose McKenzie, Teacher Consultant, Jackson ISD, and Christine Skoglund, AT Coordinator, Detroit Public Schools*

Using inexpensive pocket video cameras is a way to engage reluctant learners. This session will put cameras and computers in participants' hands to experience the power of visual learning. Attendees will learn how to operate and use these simple cameras to present information to the class and to provide students alternative means to express what they're learning. No prior video camera experience needed. Engage! Enjoy! Express!

## **SIGTC 1: Administrative Software Applications (Required MSBO Certification Course)**

**8:30 AM to 12:00 PM • DeVos Place • Grand Gallery B, Lower Level**

*Presenter to be announced.*

This session covers software for school business operations. Specific areas include software for financial operations, human resource and general business, transportation, food services, and facility management. The session will include a round table discussion with a regional perspective comparing and contrasting different packages used across Michigan. This session is a required STM-MSBO Certification course (3 credits).

## **SIGTC 2: Fundraising During an Economic Panic (Elective MSBO Certification Course)**

**1:00 to 4:30 PM • DeVos Place • Grand Gallery B, Lower Level**

*Angela Morris, Kent ISD*

This course will look at past practices and what has made grant writing and fund raising successful during an economic panic. Practical training on how to find and apply for grant funds will be provided. Learn about the different types of funding sources, the types of grants available, and how to improve your grant writing efforts and increase your chances of receiving funding. You will receive practical advice from a grant writer's perspective as well as tips and recommendations with specific attention to "student learning." This workshop has a technology segment, but also a focus on helping you find the best opportunities to support your students, staff, families, and neighborhoods in these challenging times. This session qualifies as MSBO certification elective credit (3 hours).

## **SIGTC 3: Innovative Learning Strategies Using Peer Networks and Personal and Professional Learning Communities**

**8:30 AM to 12:00 PM • DeVos Place • Grand Gallery C, Lower Level**

*Kevin Galbraith, Wayne-Westland Community Schools*

Help administrators and teachers connect with other passionate, innovative educators around the state/world to expand knowledge and skills needed to support the Michigan merit curriculum core content standards and Michigan Educational Technology Standards. Learn how to build your network of innovative educators and trusted sources using Internet-based tools that create social, engaging dialogue using photos, audio, video, bookmarks, real time information, and personal networking sites using 21<sup>st</sup> century learning skills.

#### **SIGTC4: Reducing Your Transportation Budget Using Videoconferencing**

**1:00 to 4:30 PM • DeVos Place • Grand Gallery C, Lower Level**

*Danielle Letter, Bridgeport Community Schools and Janine Lim, Berrien RESA*

With budgets tight, learn how to use videoconferencing to hold district/county meetings, professional development, collaborate with peers around the state/globe, and do classroom virtual field trips around the state and planet. Two types of videoconferencing will be discussed: interactive self-contained systems (Polycom) and laptop-based systems. Attendees will learn how to install/connect videoconferencing tools and connect with peers using a laptop's built-in camera or a USB camera. Latest and greatest software applications will be utilized to provide attendees a set of tools to reduce their transportation costs for meetings and student field trips.

#### **SIGTECH 1: Interactive Classroom Technology: What's the Use? (Grades Pre-K to 6)**

**8:30 AM to 12:00 PM • DeVos Place • Grand Gallery D, Lower Level**

*Melissa White, Ingham Intermediate School District*

Turn your classroom into an interactive learning experience. You will differentiate using a wide array of equipment and materials in a hands-on classroom which has it all! Walk away with new ideas, new lessons, and some great Internet sites to use with your students. We will provide learning experiences tailored to individual students by using interactive whiteboards, one-to-one computing, document cameras, digital and video cameras, digital audio recorders, and more. This session is designed for pre-K to sixth grade.

#### **SIGTECH 2: Interactive Classroom Technology: What's the Use? (Grades 7 to 12)**

**1:00 to 4:30 PM • DeVos Place • Grand Gallery D, Lower Level**

*Melissa White, Ingham Intermediate School District*

Turn your classroom into an interactive learning experience. You will differentiate using a wide array of equipment and materials in a hands-on classroom which has it all! Walk away with new ideas, new lessons, and some great Internet sites to use with your students. We will provide learning experiences tailored to individual students by using interactive whiteboards, one-to-one computing, document cameras, digital and video cameras, digital audio recorders, and more. This session is designed for grades 7-12.

#### **SIGTECH 3: What's New in Windows 7: An Overview for Teaching and Learning**

**8:30 AM to 12:00 PM • DeVos Place • Grand Gallery E, Lower Level**

*Donnie Hall, Microsoft Corporation*

This session will provide an overview of the new features of Windows 7. Tips and tricks for the classroom will be discussed and a demonstration of free tools such as Windows Live Essentials for digital photography and video will be given. The session will also cover upgrading to Windows 7 while saving your files, as well as a demonstration of the new search and Home Groups features and free tools such as anti-virus.

## **SIGTECH 4: Windows 7 for the IT Pro: Managed Deployment and Beyond**

**1:00 to 4:30 PM • DeVos Place • Grand Gallery E, Lower Level**

*Donnie Hall, Microsoft Corporation*

This session is intended for IT professionals and will demonstrate why Windows 7 is the right choice for IT professionals managing systems in an educational environment. Security, support, and management tools will be discussed with a focus on how these can be leveraged to save time and money. Tools to deploy Windows 7 in a network environment will also be demonstrated including how to backup users files, deploy OS, and restore user settings under the new operating system.

## **SIGTELE: Constructivist Celebration ([www.constructivistconsortium.org](http://www.constructivistconsortium.org))**

**8:30 AM to 4:30 PM • DeVos Place • Gallery Overlook H, Upper Level**

*Melinda Kolk, Tech4Learning, Inc.*

Join colleagues in a day-long celebration of creativity, computing, and constructivist learning! The Constructivist Consortium, in partnership with SIGTELE, is bringing the Constructivist Celebration to Michigan! This event sells-out quickly each year at NECC. Don't miss your chance in Grand Rapids! Dr. Gary Stager kicks off the day off with an inspirational keynote address about the whys and hows of effective project-based learning. Then it's your turn to jump into exciting hands-on projects led by outstanding ed tech leaders. Special guests and expert faculty will support you in your project development and collaboration. Projects may include claymation, digital photography, video game design, animation creation, simulation building, and much more. Participants will receive the educational program, lunch, and free software from Constructivist Consortium members, including five free tools from Tech4Learning: Pixie, Frames, WebBlender, Twist, and ImageBlender. Bring a charged laptop, a digital camera (optional) and your creativity!

## **SIGWEB 1: Comic Life for Beginners**

**8:30 AM to 12:00 PM • Kent ISD**

*Jeff Fredrickson, Media Specialist, Forest Hills Public Schools*

Are your handouts lacking a little attention-grabbing interest? Want your students to actually READ through the handouts provided in class? Want to use engaging graphics on your blog or other website? Using Comic Life (for both PC and Mac) a user can instantly create an appealing visual aid for any content area. In this session, attendees will learn the ins and outs of the program, how to use it for various projects, as well as see examples.

## **SIGWEB 2: CSS Basics**

**1:00 to 4:30 PM • Kent ISD**

*Chris Ozias, MACUL SIGWEB, Pinckney Community School*

Cascading Style Sheets (CSS) allow you to shape and change the presentation of your web site without altering the content. CSS can be used to create your own site or to customize the theme from a content management system you're already using. CSS makes your site more accessible, standards-compliant, and easier to update. CSS can also be a bit intimidating at first. This session will focus on laying a foundation for understanding CSS with the goal of getting to that "A-Ha!" moment where it all makes sense. Bring your laptop and favorite text editor to learn the ins-and-outs of layout with CSS.

### **SIGWEB 3: Using Moodle – Practice and Pedagogy**

**8:30 AM to 12:00 PM • Kent ISD**

*Kelly Kermode, MACUL SIGWEB, Forest Hills Public Schools*

Moodle is an online learning environment. By using this free open source piece of software, you can instantly bridge the divide between the static classroom and dynamic online learning. In this session, participants will see the capabilities of Moodle as an instructional tool, what add-ons are possible, as well as learn about how to teach with it as a tool. The focus for this session will be on the pedagogical implications.

### **SIGWEB 4: Photo Editing and Fun Creation With Free and Inexpensive Tools**

**1:00 to 4:30 PM • Kent ISD**

*Kelly Kermode, MACUL SIGWEB, Forest Hills Public Schools*

Do you have a blog or wiki? Want to give it a little visual umph? Try editing a plain picture into a stylistic graphic. Come to this session to find out about fun possibilities, as well as an affordable comic creation program called Comic Life (Mac or PC). Some of the graphics tools we will cover are web-based and free. Samples and demonstrations will be shown.

### **SIGWEB 5: Creating Easy Web Sites for the Elementary School Teacher**

**8:30 AM to 12:00 PM • Kent ISD**

*Michael Partridge, MACUL SIGWEB, Technology Training & Support Specialist Pinckney Community Schools*

Web sites don't have to be hard. A good site can help students learn and keep you connected with parents. In this three hour session you will learn about several free online tools that allow you to create amazing sites in minutes. This is a session for beginners with basic computer skills.

### **SIGWEB 6: Web 2.0 Tools for the Homeschool Setting**

**1:00 to 4:30 PM • Kent ISD**

*Michael Partridge, MACUL SIGWEB, Pinckney Community Schools*

Join a "homeschooling dad" for a fun session featuring some great sites to use in your everyday learning. Learn about the tools and tricks available for collaborating with others in your homeschool community, as well as some fun (and free) learning tools.