

ADVENTURES IN STEM SCIENCE, TECHNOLOGY, ENGINEERING & MATH CONFERENCE

FEATURING

CINDY LANE

The Biggest User

BRET GENSBURG

*Climbing the Interactive Whiteboard Mountain:
From Base Camp to New Heights*

SATURDAY, MARCH 26, 2011

GIRARD HIGH SCHOOL



**TRUMBULL COUNTY
EDUCATIONAL
SERVICE CENTER**

www.trumbull.k12.oh.us

Michael Hanshaw
Superintendent
Lori Simone, CPA
Treasurer

BREAKOUT SESSION A

A-1 Spectacular Middle School Science! What's in your schoolyard?
Room 217 This presentation gives strategies to teach environmental science topics in both rural and urban settings. Much focus is on micro-ecosystems found in local schoolyards. Water cycles and weather, rock cycles and geology, photosynthesis and biology, shadows and Earth cycles will all be visited. Free materials will be given with topic information and literature citing.
--David Murduck, Champion Local Schools: 3-9

A-2 Fantasy Frenzy
Room 209 Using Fantasy Football and March Madness as a starting place, students will learn science and math through sports and technology applications. Students become so engaged in these progressive activities that learning happens without them realizing it. By the end of the session, participants will be able to implement these two sports applications in their classrooms using the internet, spreadsheets and word documents. These activities can be adapted to meet the needs of all students.
--Adrienne Smythe, Michele Holler, Orrville City Schools: 6-12

A-3 Review Games with Clickers
Room 204 Learn how to use Turning Technologies' audience response clickers to play review games in the classroom.
--Joe Slifka, Liberty Local Schools: 6-12

A-4 STEMSational
Room 202 STEMSational – Growing 21st Century Skills is an innovative project developed in Trumbull County with funds received from the Ohio STEM Learning Network Akron Region. Our grant involved eight teams of middle school teachers who experienced and implemented problem-based learning through the use of NXT LEGO Robots. The teachers developed and implemented a cross curricular program with hands-on, real-world learning experiences for students. Come see what they did!
--Brice Harris, Sue Datish, Pam Lubich Trumbull County ESC: 5-9

A-5 Math Games for K-5
Room 220 Everyone loves a great game! Discover how math games can differentiate instruction within your classroom. Come ready to play, leave with materials to use with your students.
--Jen Schofield, Trumbull County ESC: K-5

A-6 Google Docs can cure your classroom headaches!
Café-torium This breakout session will show you the *How* and *Why* of using Google docs, forms, presentation and spreadsheets in your class! Come see how to make a free survey, a self-graded exam and much more!
--Cindy Lane: K-12

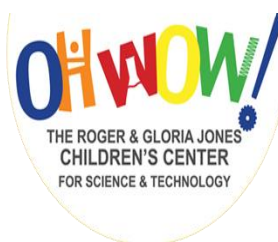
Cindy Lane assists teachers in her roles as a Discovery Education certified trainer, Master Trainer for Intel Teach to the Future, an eMINTS Instructional Trainer and Missouri's first Google Certified Teacher. She has presented at state, national and international conferences for the past eight years and written articles for Educational Publications. She recently contributed to a book titled *Retool Your School* highlighting the educational uses of Google. Cindy is extremely innovative and resourceful and specializes in finding unique and creative ways to use traditional computer tools in the classroom.

SMARTBUGS

April 12, 2011
Trumbull Career & Technical Center
Room B108

This is a users group. It is open to anyone who wants to learn about the SMART Board, or has questions, tips for other users etc. It is very casual and a great way to network with other SMART Board users in the county.

Bret Gensburg, University of Akron, certified SMART Notebook trainer, facilitates along with Pam Lubich & Sue Datish, TCESC Supervisors. Registration is not necessary.



The Roger & Gloria Jones
Children's Center for Science
and Technology
11 W Federal St.
Youngstown, OH 44503
Phone (330) 744-5914
www.ohwowkids.org
officially opens May 12, 2011.

**Open House for Trumbull County Teachers
May 4, 2011, from 3 p.m. to 6 p.m.**

BREAKOUT SESSION B

B-1 Student Generated Solutions to Real World

Room 211 **Problems: A Cross-Curricular Approach**
Can students generate viable solutions to real world problems? Science and Language Arts teachers teamed to guide students as they identified school conservation issues, proposed solutions, gathered relevant data, conducted research, created action plans, and presented their ideas.

--Mary Buchenic, Kathy DiCristofaro, Niles City Schools: 4-9

B-2 Engineering is Elementary

Room 216 Engineering is elementary - or at least it can be when you aren't afraid of it! Come learn about activities and websites that are available in all classrooms regardless of age which take some of the *geek* out of engineering and replace it with fun.

--Terri Fleming, Trumbull Career and Technical Center: K-12

B-3 Word Clouds with Wordle

Room 222 Not sure how this Wordle thing works? Wordle is a free, online application that generates a word cloud image. It's an effective way to visualize concepts. You can use the word clouds for pre-reading activities, background information, vocabulary, document revisions, etc. These word clouds can be saved in different formats.

--Pamela Rumancik, Lakeview Local Schools: K-12

B-4 Manipulatives, foldables and flip books

Room 219 Participants will learn how to support student comprehension of math concepts through the use of manipulatives, foldables and flip books. This will be a make and take workshop.

--Karen Zagorec, Warren City Schools: 4-9

B-5 Math & the Internet: Resources You Should Be Using

Room 213 Explore great websites to use in your mathematics classroom. Sites will include Illuminations, the Ohio Resource Center, The National Library of Virtual Manipulatives and many more.

--Jen Schofield, Trumbull County ESC: K-12

B-6 Climb the SMART Board Mountain: Use the Buddy System

Room 221 Climbing the SMART Board mountain is easier with a buddy and/or a guide. If you have questions about how to do something with your SMART Board or think you can help someone else, this User Group session is for you.

--Bret Gensburg: K-12

Bret Gensburg, formerly of the Alliance City High School Mathematics Department, is now working and studying at the University of Akron. He is pursuing his doctorate degree in curriculum and instruction with an emphasis on technology integration. Bret is a SMART Certified Master's Trainer for the SMART Board interactive whiteboard and SMART Notebook software. Bret has presented at many state and national conferences. Bret founded Eagle Technology Integrations, LLC, a company designed to assist in the integration of instructional technologies and the home of SMART BUGs which stands for SMART Board User Group.

Summer of Growth

The TCESC annual summer of growth is another opportunity for quality professional development with the potential to earn graduate credit. Look for the brochure online and in your buildings in late April. Registration will open April 18th. Look for more information in your email.

Thank You!

- Our Host: Girard High School
- Trumbull Soil and Water Conservation District
Kelly Hardval, Education Coordinator
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- Geauga-Trumbull Solid Waste Management District
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Phone (330) 675-2673 ext. 102
- Sheridan WorldWide Inc.
<http://wwise.com>
Phone (800) 433-6259
- The Supplyroom
www.supplyroomonline.com/
Phone (866) 759-7087
- Girard Robotics and LEGO Teams

ADVENTURES IN STEM CONFERENCE SCHEDULE

MARCH 26, 2011

GIRARD HIGH SCHOOL

8:00 – 8:30

Registration

8:30 – 9:30

First General Session - Cafetorium

Cindy Lane
The Biggest User

Which web tools do you use in your classroom? Decide which tools belong in the "Biggest User" wiki. Several tools will be demonstrated and the audience will vote for "the biggest user".

9:40 – 10:25

Breakout Session A

10:30 – 11:15

Breakout Session B

11:15 – 11:45

**LEGO and Robotics Demonstrations - Cafetorium
Vendors**

11:50 – 12:50

Final General Session - Cafetorium

Bret Gensburg
*Climbing the Interactive Whiteboard Mountain:
From Base Camp to New Heights*

Discover how this technology seamlessly bridges your classroom to the digital age. Leave with a better understanding on how interactive whiteboards can be used in your classroom for better student achievement. Even if you are at the base camp, you will raise your knowledge to new heights.