



**AFA Teachers' Workshops**  
**Saturday, February 18, 2012**  
**8:30 AM - 4:30 PM**



*In conjunction with*  
**TechFest 2012**  
**A Science & Math Exploration Extravaganza**

At Sinclair Community College, Dayton, OH ~ Ponitz Center (Bldg. 12), 4th & Perry  
 Free Admission ~ Free Parking in Ponitz Center

**Online Registration**  
**Begins January 30, 2012, at 8:00 AM**  
**Ends February 10, 2012, at 5:00 PM**

Register at <http://tfteacher.eventbrite.com>

Continuing Education Units sponsored by Wright State University

**For information on qualifying CEU's for your district, contact your LPDC**

A certificate for 1.5 Professional hours will be granted with the completion of each session attended

**Please DO NOT bring children to the workshops**

For questions call: Sharon Murner, 937-836-5248, 9:00 AM - 9:00 PM

**Session 1** **8:30 AM – 10:00 AM**  
**Register for only 1 class from this Session**

**Room 372** **Google Earth** *Presented by Jason Streiff and Connie Jensen*  
 Come explore the world in 3D and bring geography to life! Learn how to manipulate a virtual globe to view satellite imagery, maps, terrain, 3D buildings and elevation profiles.

**Room 374** **Basic WORD** *Presented by Angela Riethman and Kim Egbert*  
 Participants will learn how to type and format text, change font styles and color, use bullets, justification and more. They will gain experience designing pages with text boxes, pictures, WordArt and tables.

**Room 282** **"1, 2, 3 Lift-Off!"** *Presented by Mark Sutton*  
 The Dayton Challenger Center presents The Micronauts Program. It is especially designed for grades K-4. Students and teachers travel to the International Space Station to help the astronauts complete a number of experiments. During the workshop teachers will experience hands-on science aligned to state and national standards. Over 100 lesson plans will be shared with participants.

**Room 262** **"Connecting your Classroom to the Community – Using GIS and GPS for Spatial Problem Solving"** *Presented by Katrina Simon-Agolory*  
 This workshop introduces GIS and GPS with highlights on GIS projects completed in K-12 classrooms throughout the U.S. and offers ideas for using GIS and GPS as a teaching tool for a variety of K-12 disciplines. Includes hands-on exercise collecting GPS data, using free GIS software and a raffle where one lucky teacher will win a GPS unit for their classroom.

TechFest™ 2012

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**Session 2** **10:30 AM – 12:00 PM**  
**Register for only 1 class from this Session**

**Room 372** **Basic PowerPoint**

*Presented by Kim Egbert and Jason Streiff*

Let us help you add “power” while making your “point.” Learn how to choose a theme, work with backgrounds and animation, as well as graphics.

**Room 374** **Multimedia Creation**

*Presented by Maggie Veres*

Beginner session of video and digital imaging.

**Room 282** **“Climatology”**

*Presented by Marijane Recob*

The Dayton Challenger Center presents the NASA Global Climate Change workshop featuring standards-based inquiry lessons written by the Challenger Center for Space Science Education. Teachers will experience hands-on activities. In addition, teachers who participate will receive a 20% savings on any missions to the Dayton Challenger Learning Center.

**Room 262** **“Brain-Based Learning”**

*Presented by Craig Roderick*

A dramatic new paradigm, known as Brain-Based learning has emerged with strong implications for teacher learners world-wide. Based on research from the disciplines of neuroscience, biology and psychology, our understanding of the relationship between learning and the brain now encompasses the role of emotions, thought patterns, meaningfulness, attitudes, movement, gender and enrichment. By integrating what we know about the brain with standard education practices, Brain-Based learning suggests ways that schools can be transformed into complete learning organizations.

**Session 3** **1:00 PM – 2:30 PM**  
**Register for only 1 class from this Session**

**Room 372** **Basic Excel**

*Presented by Connie Jensen and Kim Egbert*

Need to excel with Excel? Come learn how to type, format, search, and edit a spreadsheet. Here’s your chance to gain experience working with formulas and creating charts.

**Room 374** **Google Docs for Beginners**

*Presented by Maggie Veres*

**Room 282** **“Your Student Body--What’s Your Nutrient Quotient”** Presented by Susan Lengerich

Gain skills to incorporate nutrition topics into your classroom. Discover how to use MyPlate, MyPyramid, Fuel Up to Play 60 and other interactive programs to enable your students to make smarter choices about foods, snacks, fitness and health.

**Room 262** **“Fun with Fossils”**

*Presented by Dr. Michael R. Sandy*

The Dayton-Cincinnati area is world famous for its fossils. This workshop will investigate Ohio’s fossils, concentrating on fossils found in the Dayton area and what they tell us about our local earth history.

**Session 4** **3:00 PM – 4:30 PM**  
**Register for only 1 class from this Session**

**Room 372** **Basic Publisher**

*Presented by Angela Riethman and Connie Jensen*

Learn how to create newsletters, brochures, calendars and more! Gain experience creating a page with text and pictures, inserting pages and manipulating the layout.

**Room 374** **TeacherTube & YouTube for Teachers**

*Presented by Maggie Veres*

**Room 282** **“Bernoulli’s Demo” (flying cardboard tube lab)**

*Presented by Amy Jameson*

Need a new way to teach the principles of flight with simple, readily available materials? This workshop will demonstrate those principles and techniques to use with your students and create some fun and excitement in your classroom.

**Room 262** **“Nanotechnology”**

*Presented by Joseph W. Haus*

This workshop for science teachers will introduce the exciting field of nanotechnology and its importance in the school curriculum. Participants will be able to take the illustrations and concepts from the workshop and implement in their own classrooms. Career and educational advancement opportunities for teachers as well as students will also be discussed.