

FREE!!!

TEACHERS' WORKSHOPS

Saturday, February 13, 2010

8:30 AM - 4:30 PM
in conjunction with



At Sinclair Community College, Dayton, OH ~ Ponitz Center (Bldg. 12), 4th & Perry
301 West Fourth Street, Dayton, Ohio 45402 (GPS Address)

Free Admission ~ Free Parking in Ponitz Center

Session 1 8:30-10:00 AM

1A. Designing Imaginary Plants for Real Biomes

Presented by
Mary McGowan Baine

This cross-curricular activity (Art & Science) will have participants using construction paper, scissors and glue to learn about biomes. This activity will illustrate the degree to which a single art lesson routinely yields a wide variety of responses demonstrating knowledge and skills that can be evaluated using an appropriate rubric.

1B. Integrating the S-T-E-M in STEM

Presented by Judy Brown

Mirrors will be used to mimic a kaleidoscope so that central angles of polygons can be determined. MIRA™ will also be used to look at angles of reflection and refraction and a TI Inspire graphing calculator will be incorporated for a light/physics activity. All this math and technology relates to the solar ovens that are being engineered. Come and find out how! For all grade levels.

Session 2 10:30-12:00 PM

2A. Bringing Weather Indoors

Presented by Michelle Gerling

What is meteorology and why is it important? Discover the fun in hands-on activities involving fog, lightning, rockets, tornadoes and drinking birds. Join us for this exciting workshop to gain ideas on how to get students excited about the science of meteorology!

2B. Running After Math

Presented by Jamie Roseberry

Math in the gym? You better believe it! Learn how to incorporate STEM in to your everyday Physical Education class. You will also learn and see how to integrate academic content, fitness related activities, motor skills and ways to motivate students to be active. Much can be done without the purchase of additional equipment or by using inexpensive items. Participants will actively participate in a variety of activities. Wear comfy clothes and shoes for this session!

Session 3 1:00-2:30 PM

3A. High Flying Fun

Presented by Judith Wehn

From the Wright brothers to the Candy Bomber of the Berlin Airlift, the stories of aviation come alive throughout hands-on adventures linking aerospace science and children's literature. We will read excerpts from the best of children's aviation stories and offer low cost activities associated with each: The Berlin Airlift - a candy parachute; The Wright brothers - a simple airplane to explain the forces of flight and Neil Armstrong - the principles of rocketry.

3B. Newton Rules!

Presented by Judy Steritz

Have you ever wondered how to actively engage your students in learning about Newton's Laws? This hands-on, inquiry based workshop will demonstrate different techniques to have your students be part of the experiments - not just observers. Teachers will learn how to use every day objects along with other educational tools to explore Newton's Laws.

Session 4 3:00-4:30 PM

4A. Let the Exploration Begin - Fuel Cell Cars!

Presented by Krista Gerhardt

Come join the fun as we introduce you to the science surrounding the fuel cell and explore the exciting physics of energy. Take home basic, intermediate, and advanced lessons to use in your classroom using these affordable fuel cell cars.

4B. Navigating the New 'Net

Presented by Daniel Brandmeyer

Texting, sexting and twittering - Oh MY! This session is a combination lecture and discussion on the fast growing topics of social networking, identity issues, and basic internet safety.

TEACHERS' WORKSHOPS
Presented by the AFA Educators' Action Team
Saturday, February 13, 2010
Registration Form

Register online at: <http://tfteacherworkshop.eventbrite.com>

OR Copy and Mail this form to:

TechFest™ 2010 ~ 2062 Avon Dr., Beavercreek, OH 45431

REGISTRATION CLOSING AT 5:00 PM on FRIDAY, FEBRUARY 5, 2010.

Walk-in participants will be accepted on a space available basis.

Confirmation of registration will be sent AFTER registration deadline.

Name _____
Please Print Clearly

School District _____ School Building _____ Grade Level _____

Home Address _____ Home Phone _____

City _____ State _____ Zip _____

Email (confirmations will be sent via email) _____

Due to email filtering imposed by some school districts, please use your home email

Continuing Education Units Sponsored by Wright State University
For information on qualifying CEU's for your district, contact your LPDC

Certificate of Attendance requested? ____Yes ____No

Sign-up for one workshop per each session you plan to attend.

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| <p>Session 1 8:30-10 AM</p> <p>___1A. Designing Imaginary Plants...</p> <p>___1B. Integrating the S-T-E-M...</p> |
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| <p>Session 4 3:00-4:30 PM</p> <p>___4A. ...Fuel Cell Cars</p> <p>___4B. Navigating the New 'Net</p> |
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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: Shiela Wallace, 937-429-2473 after 10 AM

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Affiliate Societies Council