



TEACHERS' WORKSHOPS

Sat., Feb. 13

8:30 a.m. - 4:30 p.m.

in conjunction with



At Sinclair Community College, Dayton, OH ~ Ponitz Center (bldg. 12), 4th & Perry
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. Miras 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 does relate 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 through out 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
Sat., Feb. 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 P.M. 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

Session 1 8:30 - 10 a.m.

1A. Designing Imaginary Plants...

1B. Integrating S-T-E-M...

Session 2 10:30 a.m. - 12:00 p.m.

2A. Bringing Weather Indoors

2B. Running After Math

Session 3 1:00 - 2:30 p.m.

3A. High Flying Fun

3B. Newton Rules!

Session 4 3:00-4:30 p.m.

4A. ...Fuel Cell Cars

4B. Navigating the New 'Net

A certificate for 1.5 Professional hrs. 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 a.m.

TechFest 2010 sponsored by:

