

Air Force Association

FREE!

Teachers' Workshop



Saturday, April 21, 2012 8:15 a.m. – 3:30 p.m.

Wyndom Dayton Garden South
I-75 & St. Rt. 725 ~ 31 Prestige Plaza Dr. ~ Miamisburg, OH 45342
Front Desk Phone: 937-434-8030

Schedule

- 8:15 – 9:00 a.m. - Check in & Continental Breakfast
- 9:00 -- 9:30 a.m. – Welcome Remarks, Instructions for the Day
- 9:30 – 11:30 a.m. - Session 1
- 11:30 a.m. -- 1:00 p.m. – Buffet Lunch, Remarks from Kent Owsley and Shiela Wallace, AFA State and Local Chapter Presidents; Presentation of Local and State AFA Teacher of the Year; Restroom Break
- 1:00 -- 3:00 p.m. - Session 2
- 3:00 – 3:30 p.m. – Distribution of CEU Certificates

Online Registration Begins on Mar. 26, 2012 at 8:00 am and ends on Apr. 13, 2013 at 5:00 pm

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

For questions call: Sharon Murner, 937-836-5248, 9:00 am – 9:00 pm

Cancellations must be received by April 13, 2012

Due to the expense of the AFA Workshops, people who fail to attend without the courtesy of notification will be placed on the waiting list for future workshops. As many districts have requirements for professional development, AFA workshops have long waiting lists due to limited space.

Walk-in registrations will not be accepted

Continuing Education Units sponsored by Wright State University

A certificate for Professional hours will be granted at the conclusion of both sessions

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

Session 1 Workshops

9:30 a.m. – 11:30 p.m.

Choose 1

1A: The Moon *Presented by: Patricia Shaw, Member, Stillwater Stargazers*



The enigmatic Moon remains widely misunderstood. Astronomy was mankind's first science and is therefore an ideal STEM start subject. Lecture format, White Board drawings and 3-D demos will help remove some of Moon's mystery while leaving behind a profound appreciation of our companion satellite.



1B: Magnets & Motors* *Presented by: Krista Gerhardt, WOW! Program Coordinator, WPAFB Educational Outreach & Wizard of Wright Bob Gemin, WPAFB Educational Outreach Engineering Specialist*



Come join the fun as we learn about Magnets and Motors...this hands-on session teaches magnetism and related applications of electromagnets and motors. Learn how to vary the motor's speed by manipulating the magnets distance, strength, and the number of batteries connected. In addition, each participant will construct their own Aluminum Can Motor to take home.

1C: SMARTBoard Lessons for Elementary/Middle School Teachers *Presented by: Angela Riethman and Kim Egbert; Starbase WPAFB*



This presentation will give participants the skills needed to develop powerful, interactive lessons designed to motivate their students. Participants will have the opportunity to interact with the SMARTBoard and first-hand experience with the SMART Response System. The SMART Response is an interactive student response system. This assessment tool instantly tracks student understanding, quiz, and test scores. All participants will receive a copy of "Creating SMARTBOARD Lesson Yes, You Can!" by Marcia Jeans.

Session 2 Workshops

1:00 p.m. – 3:00 p.m.

Choose 1

2A: International Space Station *Presented by: Judith A. Wehn, Chief, Education Division, National Museum of the U.S. Air Force*

Join us as we explore the International Space Station - the fast flying, high-tech, advanced laboratory that every science teacher dreams about! We will learn how it supports a wide range of scientific inquiry in biology, human physiology, physical and material sciences, and Earth and space sciences. During the session, we will build a model of the station. Extensions and resources will be provided.



2B: Magnets & Motors* *Presented by: Krista Gerhardt, WOW! Program Coordinator, WPAFB Educational Outreach & Wizard of Wright Bob Gemin, WPAFB Educational Outreach Engineering Specialist*



Come join the fun as we learn about Magnets and Motors...this hands-on session teaches magnetism and related applications of electromagnets and motors. Learn how to vary the motor's speed by manipulating the magnets distance, strength, and the number of batteries connected. In addition, each participant will construct their own Aluminum Can Motor to take home.

2C: SMARTBoard Lessons for High School Teachers *Presented by: Jason Streiff and Connie Jensen; Starbase WPAFB*



This presentation will give participants the skills needed to develop powerful, interactive lessons designed to motivate their students. Participants will have the opportunity to interact with the SMARTBoard and first-hand experience with the SMART Response System. The SMART Response is an interactive student response system. This assessment tool instantly tracks student understanding, quiz, and test scores. All participants will receive a copy of "Creating SMARTBOARD Lesson Yes, You Can!" by Marcia Jeans.

***Please note that 1B and 2B are identical sessions. Each session can hold only 30 participants. Please sign up for only 1 of these sessions.**