STANYS Western Section Mini-Conference

Thursday March 24, 2011 - West Seneca West HS

Session 1- 4:15-5:00

(pick one to attend)

Introduction to KidWind and the KidWind Challenge

Presenter: Andy Lueth
KidWind

SESSION 1 – 2 - 3
COMBINED

Description: Teachers will experience hands-on-learning activities that enthusiastically lend themselves to exploration of scientific and engineering principles and data. Teachers will compete with each other in a wind turbine-blade building/testing challenge.

Level: Middle & High school, Earth Science, Physics, Environmental and Clubs
Room: 247

Great Lakes in the Classroom

Presenter: Helen Domske
New York Sea Grant
Great Lakes Program at UB
Cornell University

Description: Infusing information on the Great Lakes is not difficult and it can add a valuable local connection to science lessons. This presentation will provide materials and information you can use to help your students learn more about these environmental gems that hold 20% of the available freshwater on Earth.

Level: Elementary, Middle, Earth Science, Living Environment and Environmental
Room: 255

Guided Inquiry – Earth's History

Presenter: Carol Dunbar
Frontier Central High School

Description: How to teach the students to learn. Learn how to be a Learning Facilitator allowing students to read, do and figure things out. Techniques can be used at any grade level and in any subject area. Materials presented will be on the unit of Earth's History

Level: Earth Science, All
Room: 252

Session 1: 4:15-5:00

(pick one to attend)

A Brief Introduction to Creating and Using Virtual Fieldwork

Presenter: Don Duggan-Haas
The Paleontological Research Institution and its Museum of the Earth & Don is a member of the Earth & Space Design Team for the new national science education standards.

Description: How you can engage kids in the study of the local environment when the confines of school and its schedule make it hard to get outside? This workshop will provide some strategies for creating virtual fieldwork experiences for and with your students to allow for that important work.

Level: Elementary, Middle, Earth Science, Living Environment, and Environmental
Room: 313

Chemistry In-the-Bag Inquiry Activities

Presenter: Larry John
Buffalo City School Teacher
Science Kit

Description: Learn how to easily incorporate fun and exciting inquiry activities into your classrooms using ScholAR's new In-the Bag Inquiry Activity series. These easy to perform demonstrations are designed to engage your students and then incorporate guided inquiry exercises so they can further explore and understand the concepts

Level: Chemistry, Middle & High School
Room: 308

An Investigation in Forensic Anthropology

Presenters:
Karen Lester - West Seneca East
Lynn Barrett - West Seneca West

Description: Learn how Forensic Anthropologists use skeletal traits and markers to determine gender and ancestry of human remains.

Level: Forensics, Human Anatomy and Physiology, Life Sciences
Room: 316

Lunar Samples

Presenter: Kenneth Huff
Intermediate SAR and NASA Solar System Educator Program member

Description: Lunar samples from the Apollo missions will be on display for personal viewing.

Room: Library

Visit the Vendors

Description: If you do not find a session of interest to you in this time block, you may elect to spend the time in the library visiting with the book vendors.

Level: All
Room: Library

STANYS Western Section Mini-Conference

Thursday March 24, 2011 - West Seneca West HS

Session 2: 5:15-6:00

(pick one to attend)

Introduction to KidWind and the KidWind Challenge

Presenter: Andy Lueth
KidWind

SESSION 1 – 2 - 3
COMBINED

Description: Teachers will experience hands-on-learning activities that enthusiastically lend themselves to exploration of scientific and engineering principles and data. Teachers can compete with each other in a wind turbine-blade building/testing challenge.

Level: Middle & High school, Earth Science, Physics, Environmental and Clubs
Room: 247

Basic Classroom Management for MTS Teachers

Presenter: Dr. Dennis Scheitinger Ph.D.
Assistant Professor of Education
Daemen College

Description: This workshop addresses the social/behavioral problems observed in the MTS classroom. This humorous presentation will explore the difference between students that display internal vs. external locus of control. Four basic procedures that will increase a students' internal locus of control will be discussed.

Level: All Audiences
Room: 155 – Lecture Hall

Preparing Students for the ELS Performance Assessment

Presenter: Rod Doran
SUNY Buffalo

Description: Participants will experience five stations of activities which are parallel to the ELS assessment. The stations are titled: Mystery Card, Magnifiers, Testing Foods, Colored Dots, and Building Animals. The activity is designed to be completed in a 45 minute period.

Level: Elementary and College Methods
Room: 255

Using Probeware in the Middle School

Presenter: Mike Jabot & Dot Brown
SUNY Fredonia and PASCO Scientific

Description: This session explores and models ways to cover tough scientific topics while addressing misconceptions and revealing how technology can take student learning to the next level

Level: Middle
Room: 312

Dual Polarization: Coming Soon to a Doppler Weather Radar near you!

Presenter: Judith Levan
National Weather Service Buffalo

Description: National Weather Service Weather Radars are being upgraded to dual-polarization to enhance our ability to collect data on the horizontal and vertical properties of weather (e.g. rain, hail) and non-weather (e.g. insects, ground clutter) targets. What is the difference between conventional Doppler radar and dual-polarization radar? What are the benefits and what limitations of the radar will not change?

Level: Middle & High School, Earth Science, Environmental, and Physics
Room: 313

Lunar Samples

Presenter: Kenneth Huff
Intermediate SAR and NASA Solar System Educator Program member

Description: Lunar samples from the Apollo missions will be on display for personal viewing.

Room: Library

Visit the Vendors

Description: If you do not find a session of interest to you in this time block, you may elect to spend the time in the library visiting with the book vendors.

Level: All
Room: Library

Session 2: 5:15-6:00
(pick one to attend)

STANYS Western Section Mini-Conference

Thursday March 24, 2011 - West Seneca West HS

Session 3: 6:15-7:00

(pick one to attend)

Introduction to KidWind and the KidWind Challenge

Presenter: Andy Lueth
KidWind

SESSION 1 – 2 - 3
COMBINED

Description: Teachers will experience hands-on-learning activities that enthusiastically lend themselves to exploration of scientific and engineering principles and data. Teachers will compete with each other in a wind turbine-blade building/testing challenge.

Level: Middle & High school, Earth Science, Physics, Environmental and Clubs
Room: 247

A "Measuring in Science" for Elementary Grades (2 – 4)

Presenter: Rod Doran
SUNY Buffalo

Description: Teachers will experience the student activities for a five station "circus" lesson, focusing on measuring Mass, Volume, Temperature, Length and Time. Materials used will be easy for teachers to find and fun for students to do. Activities relate to science and math standards.

Level: Elementary and College Methods
Room: 255

Paint it RED! Using Technology to Teach Elementary School Science

Presenter: Patty Muscatello
Science Kit

Description: A fast-paced energetic workshop that will focus on how to integrate technology into your classroom. Learn grade level appropriate hands-on activities that support science content, application to national standards, and suggestions for data analysis

Level: Elementary
Room: 252

Session 3: 6:15-7:00

(pick one to attend)

Microscope Cleaning & Troubleshooting

Presenter: Larry John
Buffalo City School Teacher
Science Kit

Description: Save money and improve your microscopes performance by learning how to perform basic cleaning and troubleshooting procedures. Bring your old and neglected microscope and learn how to disassemble, clean and troubleshoot it. Great for those who need to get all their hand me down microscopes in good working condition

Level: All **Room:** 308

Million Mile Meterstick

Presenter: David Henry
Buffalo State College

Description: This session will look at misconceptions of scale of the solar system, and we will build a scale model of the Earth, Moon, and Sun system using a Million Mile Meterstick. This is a great activity for grade 5-8 students. We will also demonstrate how Differentiated Instruction can be used to modify the lesson.

Level: Elementary, Middle, Earth Science, Astronomy
Room: 312

Intro to Project WILD & WET Educator Workshops

NYSDEC Reinstein Woods Education Center & Nature Preserve

Description: Come learn about the free workshops for educators that are offered by Reinstein Woods Environmental Education staff. These workshops feature hands-on, nature related activities that are interdisciplinary and correlated to state learning standards. Experience a sample lesson and learn about workshop opportunities at the nature preserve or at your school

Level: All
Room: 316

Lunar Samples

Presenter: Kenneth Huff
Intermediate SAR and NASA Solar System Educator Program member

Description: Lunar samples from the Apollo missions will be on display for personal viewing.

Level: All
Room: Library

Visit the Vendors

Description: If you do not find a session of interest to you in this time block, you may elect to spend the time in the library visiting with the book vendors.

Level: All
Room: Library