

CORRECTIONS to Main Brochure

FRIDAY WORKSHOPS

Friday Half Day (8:30am – 11:30am)

Greenfire

Peggy Eppig, Middle School Ag and Natural Resources Education, Maryland Agricultural Education Foundation

JoAnn Coates Hunter, Director, Fox Haven Farm and Learning Center

Strand: A = Arts, Agriculture, Action

Audience: General Audience

Location: Owens Amphitheater

Time Confirmation

A screening of the biographical film "Greenfire" includes a discussion session on how to provide/offer film screenings (of any kind) that include community discussion panel discussions, environmental issues conversations, and book club enrichment. Copies of A Sand County Almanac will be available for discount purchase and information on how to order the film CD through the Aldo Leopold Foundation will be provided.

NASA's Advancing Earth Research Observations with Kites and Atmospheric/Terrestrial Sensors (AEROKATS) Program - an Introduction for Citizen Scientists

Geoff Bland, Douglas Levin, Andy Henry and Brian Campbell

Strand: Science

Audience: General

Location: ~~Owens~~ Duncan

Room Correction

Join scientists from NASA Goddard and Washington College to learn about how some exciting new technologies, in the hands of students, can help to shape our understanding of the world around us. In this workshop we will get hands on with these novel education resources know as AEROKATS (Advancing Earth Research Observations with Kites and Atmospheric/Terrestrial Sensors) and ROVERs (Remotely Operated Vehicles for Education and Research)

Schoolyard Thermal Investigations using Surface, Water, & Air Temperatures

Susan Simonson, Outreach Coordinator, & Claire Hudson, CCWS Coordinator, Hood College - Center for Coastal and Watershed Studies

Strand: E = Engineering, Environmental Education and Greening

Audience: Secondary, College/University, Adult

Location: ~~Duncan~~—Lindsay C

Room Correction

Most everyone can relate to how uncomfortable extremely hot days can be, but what do warming temperatures mean for our waters? Are our schoolyards acting as "urban heat islands"? Does your school property contribute thermal impacts to our local waters? How can we reduce the temperatures of our school's impervious surfaces?

By conducting a Schoolyard Thermal Investigation, students use online mapping tools, several temperature collection technologies, and calculate impact of their school yard's surface, water and air temperatures to determine if their campus meets the definition of an Urban Heat Island.

Developing More and Better Standards-based MWEEs with Making the Link

Cassie Doty, Education Coordinator, UMCES Appalachian Laboratory

Strand: E = Engineering, Environmental Education and Greening the school inside and out

Audience: Elementary, Secondary, Nonformal/field-based educators

Location: Lindsay B

The NOAA BWET-funded Making the Link project partners formal educators and EE providers in a professional learning community (PLC) to co-develop standards-based MWEEs and then implement them systematically. During this presentation, hear about the formation of the Making the Link PLC, the resources provided, and outcomes achieved with the first cohort. You will also have the opportunity for some group work to practice using the MWEE Guide and other tools to help you improve your own MWEE.

FRIDAY WORKSHOPS

Friday Half Day (1:30pm – 4:30pm)

A Planet of Plastic

Cindy Etgen, Education Section Chief, MD DNR

Strand: S = Science (Knowledge of any kind. Study of the natural world)

Audience: Elementary, General Audience, Middle School

Location: Lindsay A

Room Location

While the production of plastic only really ramped up around 1950, we have buried our planet in more than 6.9 billion tons of plastic products since. What are the implications for our environment, wildlife, and humans? Can the wave be stopped or even slowed? This session will address the types of plastics that end up in our waterways, how they get there, the impacts, and some positive actions we can take. Participate in hands-on activities to engage students in understanding the enormity of the problem and how they can be part of the solution!

Climate and Wildlife

Elena Takaki, Project WILD, AFWA

Strand: S = Science (Knowledge of any kind. Study of the natural world)

Audience: Secondary

Location: Fitz A South

Having trouble getting your students to relate to climate change? Do they feel overwhelmed like there is nothing they can do? We can help! Using wildlife as an integrating context can help make teaching about climate change more concrete. This session will highlight case studies of current state management practices that address wildlife responses to changing ecosystems. You'll also learn about best practices in climate change education and gain access to valuable resources.

Combined: Earthling Power: How Nature Study Shape Our Understanding of Community & Forest Mindfulness: Bringing Forest Bathing to School

Michel Anderson, Blue Water Baltimore & Priscilla Taylor, MNCPPC-Montgomery Parks

Strand: E = Engineering, Environmental Education and Greening the school inside and out

Audience: Early Childhood, Elementary, Secondary, General Audience

Location: Lindsay C

Pt. 1: When children fall in love with nature the world changes -- a bewildering dimension opens and we're no longer the center of the universe. In the forest, the presence of the other Earthlings rouses our curiosity and teaches us about our primary power -- our imaginations. Enmeshed in the more-than-human world, we realize that community isn't solely a human affair -- it's the domain of Earthlings. We will explore how nature-based education and play fosters a more complex and joyful understanding of ourselves and community, and how this orientation is necessary in building our sustainable future.

Pt. 2: The business of everyday life - no matter what your age - can be emotionally and mentally depleting. But nature has a great way of addressing this! Come learn about how you can incorporate Forest Bathing (Shinrin Yoku) techniques into your classroom to reset, restore, and revitalize attention and/or anxiety issues and prepare students for learning. Perhaps your school practices mindfulness. If so, this session is for you!

Digital Storytelling

Elisabeth Gambino, Bard High School Early College Baltimore

Jennifer Burgin, Arlington County Public Schools

Strand: A = Arts, Agriculture, Action

Audience: Elementary, Secondary, College/University, Adult, General

Location: Grason

Digital Storytelling is a wonderful tool for environmental advocacy. In this workshop, educators will practice photography, learn about online resources for digital storytelling, and receive an overview of a unit on digital storytelling which can be used in any content area classroom. Content is based on training with National Geographic as a Grosvenor Teaching Fellow in 2017 and has been with Baltimore City Students with support from Voya Financial, the Chesapeake Bay Trust, Arts Every Day, and Bard Early Colleges. **Participants should bring smart phones or cameras.**

Friday Half Day (1:30pm – 4:30pm)

Expanding MWEEs

Aurelio Giannitti, Education Director Ward Museum, Salisbury University

Nicole Veltre-Luton, ESL Biology Teacher, Baltimore City Public Schools

Erik Vreeland, Teacher-Media Specialist K-5, Fountaindale Elementary School for the Arts and Academic Excellence

Strand: S = Science (Knowledge of any kind. Study of the natural world)

Audience: Early Childhood, Elementary, Secondary, General Audience

Location: Lindsay B

Experience the wonders of participating in and creating a Meaningful Watershed Experience (MWEE) through the lenses of three different schools from across Maryland. Each school will captivate you during an hour-long presentation that will outline their journey through the development and implementation of a MWEE and how this experience helped students gain a deeper understanding of the Chesapeake Bay watershed and the NGSS. Learn how this meaningful experience can propel students into taking informed civic action within their own community!
