

Program of Events

2019 Annual Conference

April 4 - 7, 2019



The codes that follow each session description indicate which strand the session addresses as follows: SCR=Stewardship, Conservation and Responsibility; SC=STEM and Careers; AO=Adventure and Outdoor Skills

Graduate Credit and Contact Hours are Available!

Thursday, April 4, 2019

9:00 am – 4:00 pm

Ohio Student Wildlife Research Symposium

Join high school students and teachers from around Ohio as they present their wildlife and habitat research projects in this second annual research symposium for high school students. \$35 for adults, \$25 for students, includes lunch. Please see the agenda online at <http://eeco.wildapricot.org>

Friday, April 5, 2019

9:00 am—Noon

AM Field Trips

FT-1—OSU Mansfield EcoLab and Microfarm Tour

Join the adventure to the OSU-Mansfield and their new EcoLab. The campus has over 600 acres of woodland habitat for hands on learning for educators and landowners. The campus developed a Microfarm Food Systems Initiative to focus on sustainable food systems in the urban environment. The unique collaborative efforts of First Energy and the campus created the Monarch Right-of-Way: A Pollinator Demonstration Plot. Kathy Smith, program director of OH Woodlands Stewards program and Dr. Kip Curtis, professor of Environmental History will be our hosts. To learn more visit mansfield.osu.edu/initiatives/ecology to view “Linkage and Leverage Planning Program “and “EcoLab.” Fee is \$5.

9:00 am—4:00 pm

Friday All-Day Workshop

W1—Project WILD’s New Terrestrial K-12 Guide is Here!

Join us to experience the latest version of the Project WILD K-12 Terrestrial guide. You’ll get to experience some of the new activities, revisit old favorites and more! *Indoors and Outdoors*, *SOC*, *Jen Dennison*, *ODNR-Division of Wildlife*
Cost is \$5.

9:00 am—Noon

Friday Morning Workshop

W2—Exploring Water Quality—A Free Curriculum Module

This workshop will share a free curriculum resource created to assist 7th Grade teachers in teaching many of Ohio’s Science Learning Standards using the context of water quality and nutrients in the watershed. *Indoors*, *SCR*. *Dave Shellhaas*, *Midwest Regional Education Service Center*. Cost is \$5.

Noon—1:00 pm

Lunch Break

An optional box lunch is available for \$16. Otherwise, participants should make plans to provide their own lunch, either by ordering from the lodge restaurant, or packing their own.

1:00 pm—4:00 pm

Friday Afternoon Field Trip

FT-2—Adventures in Team Building

Practice team building as you work together to navigate Camp Nuhop's low and high ropes course. The ropes course is outdoors, so dress for the weather. Field Trip is limited to 25 participants. Cost is \$25

1:00 pm—4:00 pm

Friday Afternoon Workshop

W3—The Outdoor Apothecary: Teas and Tinctures, Syrups and Salves

In this hands-on workshop, participants will learn about plant medicine and common herbal remedies. They will make teas, tinctures, syrups and salves and learn about ethical wildcrafting and preserving medicinal plants through botanical sanctuaries. *Indoors, SCR, AO, Beth Bridgeman, Antioch College* Cost is \$5.

4:00 pm—6:00 pm

Optional Activities

Check into your room, go for a hike or enjoy some of the lodge's amenities. You can also spend some time perusing our vendor/exhibit area.

6:00pm—8:30 pm

Friday Night Welcome Dinner and General Session

Join us on Friday Evening as we officially kick-off the 2019 EECO Annual Conference. It's a great opportunity to catch-up with your old friends and make new connections. We'll inform you on some of the latest successes of EECO and introduce the Board of Directors and Regional Directors.

Evening Activities

9:00 pm—10:00 pm Night Hike (Weather Permitting)

EECO Kids Conference 2019

While you are attending EECO conference sessions, your child/children can, too! EECO is offering a Mini Conference for kids! Kids will **LEARN** about Environmental Education and gain an appreciation for nature and environmental stewardship. Like our adult attendees, they will **CONNECT** with new friends in a positive and supportive setting. This is a fabulous opportunity to enjoy the conference and begin a family tradition for your children to **GROW** into our future EECO Leaders, all while enjoying the amenities of the state park! Ages 6 and up are welcome! *A \$10 fee per child will be charged at registration. Lunch is not provided. Children's meal tickets will be available at the registration table.*

Saturday, April 6, 2019

Concurrent Sessions, Keynotes, Exhibits

7:00 am—8:00 pm Bird Hike tentative

8:00 am—9:00 am Breakfast—Join your EECO Regions and network while enjoying your breakfast

9:00 pm—9:15 am Welcome and Conference Opening—Brenda Metcalf, EECO Executive Director

9:30 am—10:30 am

Concurrent Session 1

A1—Animal Architects: Using Nature’s Builders to Teach STEAM Topics (2-Hour Session)

This interactive workshop will showcase how nature’s engineers (birds, spiders, beavers, etc.) can be used to teach early childhood STEAM topics such as angles, shapes and more! *Indoors, SC, Julie Travaglini, Allegheny Land Trust*

A2—No Matter What the Project Size, Developing Stewardship Opportunities will Bring Amazing Results!

Creating stewardship opportunities creates academic teaching opportunities, but it also develops teamwork between both students and community members. Learn about the ups and downs associated with projects. Writing successful grants and why projects unite schools with their communities will be discussed. *Indoors, SCR, David Murduck, Champion Middle School.*

A3—Learning to INQUIRE About the World Around Us

Inquiry Based Learning (IBL) is a research-validated method of learning academic content, helping students get excited about learning while developing skills to gather knowledge about their surrounding environment. Learn about the steps in the process of conducting an inquiry-based lesson. The session will include a discussion of barriers to implementation of inquiry-based learning as an instructional practice. *Indoors/Outdoors, SC, AOS. John Hoffman, The IBL Institute*

10:30 am—10:45 am

Morning Break

10:45 am—11:45 am

Concurrent Session 2

B1—Animal Architects: Using Nature’s Builders to Teach STEAM Topics (Continued)

B2—Games, Games and More Games!

Nature-based games help students release energy, increase motor skills and collaborate while learning. Use games to teach classification, habitats, echolocation, camouflage, even history. Get Outside! *Indoors and Outdoors, AO. Gia Giammarinaro, Cincinnati Park Board*

B3—Citizen Science and Environmental Advocacy

Students share data collected, monitoring habits at West Creek Reservation in Cleveland Metroparks and will share their efforts to advocate for environmental concerns. *Indoors, SCR, Kathryn Kwiatowski, Case Western Reserve University, The Leonard Gelfand STEM Center and Environmental heroes 2018-2019: Middle and High School Student Citizen Scientists*

12:00pm—2:00pm Lunch, Business Meeting, & Keynote Speaker

Join us for a lunch and find out what EECO's been up to in the past year. This will include an opportunity to meet your current Board of Directors and review the annual budget.

Lunch Keynote: Britt Ahart, Star of the History Channel Reality Show, Alone

Ohio Native, accountant, and true adventurer, Britt Ahart, has been a participant on two seasons of the TV show, *Alone*. Through these experiences he has spent months surviving in the wilderness with nothing but the contents of a small backpack. During this interactive talk Britt will lead discussion and answer questions about his experiences. Bring your questions and curiosity to hear about the adventures of a lifetime!

Visit <https://www.history.com/shows/alone> for more information on Britt and the *Alone* show.



2:15pm—3:15pm

Concurrent Session 3

C1—Exploring Environmental Careers in High School

Columbus Green Building Forum has been working closely with teachers at Metro Early College High School and administrators at PAST Foundation to develop career based curriculum modules for the students in the two specific areas of Growth & Energy Learning Labs. *Indoors/Outdoors, SC, SCR*. Meera Parthasarathy, Columbus Green Building Forum and Sharon Graham, Metro Early College High School

C2—Connecting through Storytelling

Storytelling can be a powerful mechanism for forging emotional bonds with nature. Listen to stories on crucial ecosystem services and processes that you can immediately retell on your next trail visit. *Indoors/Outdoors, SCR*. Joshua York and Lauren Stayer Asquith, Five Rivers MetroParks

C3—H2 Know and Digging Through the Layers of Soil Science

Healthy soil and clean water are essential to healthy living. This hands-on workshop will look at the relationship between healthy soil, clean water and sustainable practices in agriculture. This will include exploring it through a Digital Case study on the algae bloom in Lake Erie. *Indoors, SCR, SC*, Tiffany Ballow, Nutrients for Life and Katherine Nainiger, Geauga Soil and Water Conservation District

3:15 am—3:30 pm

Afternoon Break

3:30pm—4:30pm

Concurrent Session 4

D1—Teen Take-over

Child Labor Laws were put in to place for good reason. But what about *Child-led labor*? Learn about active-learning techniques that put teens in charge of activities and each other. *Indoors, AO*. Marcia Hood, Ebony Hood and Erika Hood, See You at the Top-Community Youth Group

D2—Teaching Presence

What better adventure to experience than exploring the vastness of our own mind? Teaching presence is part of that adventure. When students are focused and quiet within themselves, they are more willing and able to participate in any lessons. The session will introduce ways to utilize breath and nature in helping practice presence. *Indoors and Outdoors, AO*, James Viles, Greenacres Foundation

D3—Discover—Explore—Connect: Understanding the Environment through Historical Records

Explore the work of A.B. Williams, CMNH's first Curator of Education and the creator of Trailside Museums, to develop a deeper understanding of N.E. Ohio forests; past, present and future. *Indoors, SCR, SC, AO*. Skye Powers-Kaminski, The Cleveland Museum of Natural History

**4:30 pm –6:00 pm Environmental Education Certification Poster Session,
Networking, Silent Auction**

This is your chance to check out all the vendors and displays, chat with new and old friends, and get your bids in on all the fantastic silent auction items.

6:00 pm –9:00 pm Awards Banquet and Live Auction

Come join us as we close out the conference with a dinner buffet and stay to congratulate this year's award recipients. We will also have some fantastic items for you to bid on at the Live Auction. All proceeds go to the EECO Endowment Fund.

9:00 pm

Night Hike—tentative

Sunday, April 7, 2019

7:00 am—8:00 pm Bird Hike tentative

8:00 am—9:00 am Breakfast

Field Trips

9:00 am—Noon

FT-3—Mohican Discovery Forest Tour

Led by Division of Forestry Staff, this hike will be a look at forest management methods. Meet in the lobby at 9am to carpool to the Discovery Forest.

**EECO April Tour
Sunday, April 7
Mohican State Park**

Explore Native Hemlock Forests. Search for Spring Wildflowers. Tour an Experimental Forest.

Before heading home after the EECO Conference, join the EECO Tour on Sunday as we tour Mohican State Park. We'll spend the morning visiting Discovery Forest to see a variety of Sustainable Forestry Management sites. In the afternoon, we will enjoy a wildflower and vernal pool hike then travel safely home. The tour is separate from the EECO Conference. Cost to attend is \$25.

College credit is available for participants who attend three EECO Tours.

We hope you find this conference to be an exciting and beneficial professional development opportunity.

If you have any questions about the program, the registration process, or any other topics or issues, please contact Brenda Metcalf, EECO Executive Director, at 740-653-2649 or director@eeco-online.org.

You can also contact Amanda Kriner, Conference Chair, at 419-884-3764 or akriner@richlandcountyoh.us for assistance.

We look forward to seeing you at Mohican State Park!

Thank you to the following conference sponsors:



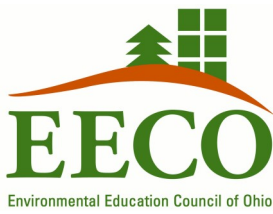
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2019 Annual EECO Conference Registration

April 4-7, 2019

Mohican State Park

Early Bird Deadline: March 4, 2019

Register online at <http://eeco.wildapricot.org/>



Registration Details (please print)

Name: (last)		(first)	
Name as it should appear on name tag:		Do you have an Ohio EE certification (Yes or No)	
Organization			
Address			
City	State	Zip Code	County
Phone ()	Cell ()	Email	
Emergency contact (name)		Phone ()	

I will bring a silent auction item Special Needs _____ (mobility, vegetarian, food allergies, etc.)

Presenters: I plan to attend the full conference (\$25 discount) I plan to attend my presentation session only

Join or renew your EECO Membership and save money on your conference registration!

\$35 Individual	\$20 Student/Senior	\$50 Professional	\$70 Non-Profit	\$100 Sustaining	\$150 Business	\$250 Champion
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See additional information on the next page to join one of EECO's special interest sections.

Please indicate registration choices	Full Conference (Includes Fri dinner, all Sat meals, Sun breakfast)	Saturday Only (Includes all Sat meals)
Member	\$175 Early Bird/\$200 Regular	\$105 Early Bird/\$120 Regular
Non-Member	\$225 Early Bird/\$250 Regular	\$145 Early Bird/\$160 Regular
Student (Must show ID upon arrival)	\$140 Early Bird/\$175 Regular	\$95 Early Bird/\$110 Regular
Presenter (use Code)	\$150/member \$175/non-member	\$105 Early Bird/\$120 Regular

My child/children plans to attend the Saturday Children's Conference. Number of children planning to attend.

Field Trips and Workshops	Saturday Concurrent Sessions—Circle one choice in each column			
<p>Note: Workshop and field trip participants can pre-purchase a box lunch for \$19, order from the lodge restaurant or pack a lunch.</p> <p>Friday Field Trips</p> <p><input type="checkbox"/> FT-1—OSU Mansfield EcoLab and Microfarm Tour—\$5</p> <p><input type="checkbox"/> FT-2—Adventures in Team Building—\$25</p> <p>Friday Workshops</p> <p><input type="checkbox"/> W1—Project WILD's New Terrestrial K-12 Guide is Here!—\$5</p> <p><input type="checkbox"/> W2—Exploring Water Quality—A Free Curriculum Module—\$5</p> <p><input type="checkbox"/> W3—The Outdoor Apothecary —\$5</p> <p>Sunday Field Trips</p> <p>Lunch and transportation are not provided, please plan accordingly.</p> <p><input type="checkbox"/> FT-3—Mohican Discovery Forest Tour</p> <p><input type="checkbox"/> FT-4—EECO Tour \$25</p>	Session 1 9:30 am	Session 2 10:45 am	Session 3 2:15 pm	Session 4 3:30 pm
	A1—Animal Architects (Double Session)	B1— Animal Architects (cont.)	C1— Exploring Environmental Careers	D1— Teen Takeover
	A2—No Matter the Project Size	B2—Games, Games and more Games	C2—Connection through Storytelling	D2—Teaching Presence
	A3— Learning to INQUIRE about the World around Us	B3— Citizen Science and Environmental Advocacy	C3—Digging through the Layers of Soil Science	D3—Discover, Explore, Connect

Total Registration Costs	
Conference Registration Fee	\$ _____
Friday Field Trip/Workshop	\$ _____
Friday Lunch	\$ _____
EECO Special Section Fee(s) The first section is free-additional sections are \$5	\$ _____
EECO Membership	\$ _____
Additional donation to EECO Endowment Fund	\$ _____
Total	\$ _____

Register online at <http://eeco.wildapricot.org> with a credit card or make checks payable to EECO and mail with this completed form to:

Brenda Metcalf
EECO Executive Director
PO Box 1004
Lancaster, OH 43130
(740) 653-2649

If you wish to bring a guest who will be attending meals, contact Brenda directly to have them registered at a reduced rate.

Please select all meals you will be attending:

- Friday Dinner
 Saturday Breakfast
 Saturday Lunch
 Saturday Awards Banquet
 Sunday Breakfast

Early Bird Registration Deadline March 4, 2019

_____ I am interested in receiving Graduate Credit from Ashland University. The cost is \$210 for one credit hour. Please contact Joanne Mudra EECO Region 6 co-Director, at jcmudra@gmail.com

Certificates with contact hours are available upon request.

Lodging Information – Mohican State Park Lodge

3116 OH-3, Loudonville, OH 44842

Reservations—(419)-938-5411. Ask for the “EECO Conference” room rates.

Room Rates for Queen, King and Bunk: \$115.00 per Night Per Room

Room Block will be held until March 4, 2019.

Join one of EECO’s special interest sections!

EECO offers special interest sections to its members to promote networking among peers and groups with similar interests. EECO members may join one section at no additional cost to regular membership dues. Each additional section joined is \$5 per section. Please check which section(s) you would like to join.

___ *Business, Industry and Trade Associations*

___ *Environmental and Community-based Organizations*

___ *Environmental Education and Outdoor Education Organizations*

___ *Government Agency*

___ *Higher Education*

___ *Preschool, Elementary and Secondary Education*

___ *Research*

Cancellation Policy

All participant cancellations require written notice (U. S. Mail or electronic) to be sent to Brenda Metcalf, EECO Executive Director, P.O. Box 1004, Lancaster, Ohio 43130-1004, director@eeco-online.org and will be refunded according to the following schedule:

— full refund - at least 30 days before the conference — 50% - at least 16 days before the conference — no refunds within 15 days of the conference —

Please read and sign the notice below:

Please be aware that activities during this conference may carry risks which may not always be obvious.

I am aware of the risks inherent in these activities and assume all responsibility to myself whatever the cause. I agree to hold EECO, all conference personnel, and all participating agencies/organizations harmless for any injury that I may sustain in the course of participating in the conference.

Signature: _____ Date: _____