



# 2021 MAEOE CONFERENCE

October 1<sup>st</sup>-3<sup>rd</sup> | Eastern Michigan University | **Together Again**

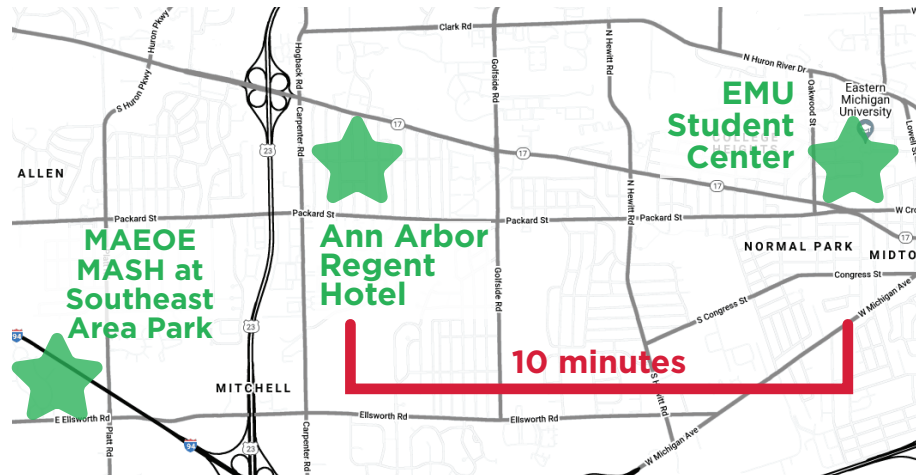


# Eastern Michigan University Land Acknowledgement

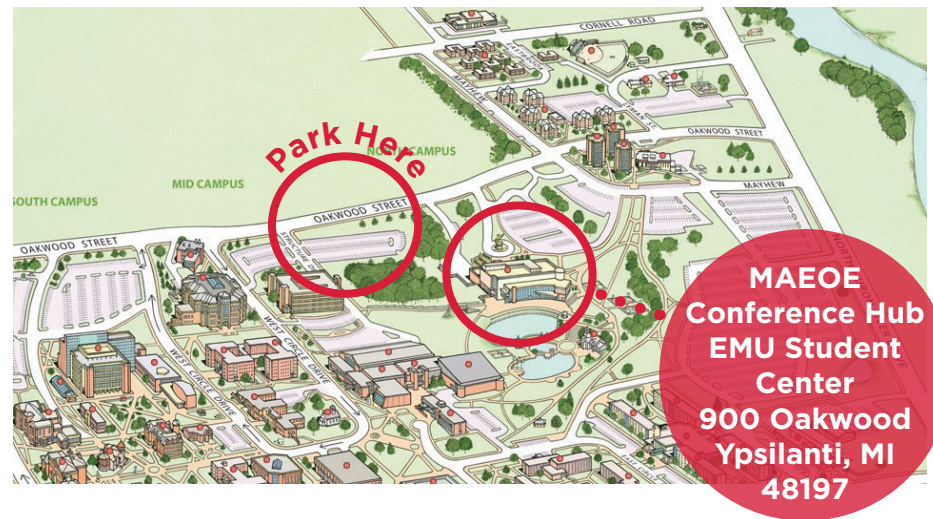
We would like to acknowledge that the land we are meeting on is the original homeland of the Odawa, Ojibwe, Potawatomi and Wyandot tribal nations. We acknowledge the painful history of genocide and forced removal from this territory, and we honor and respect the many indigenous peoples still connected to this land on which we gather.

Conference recycling donated by Service System Associates (SSA)

## Major Conference Venues



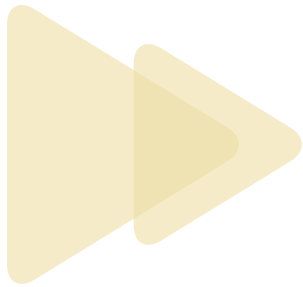
## Parking for the Student Center



## Student Room Layout



Program designed by Rachel Spelich



# Conference at a Glance

## Thursday, September 30

## Pre-conference Field Trips

1:00 - 3:00 p.m.  
2:00 - 5:00 p.m.  
12:00 - 3:00 p.m.

Woodland Meadows Landfill  
Historic Water Street Walking Tour  
Detroit River International Wildlife Refuge

## Friday, October 1st

7:00 a.m. - 4:00 a.m.  
8:00 a.m. - 11:30 a.m.  
12:00 p.m.  
1:00 p.m. - 1:45 p.m.  
2:00 p.m. - 2:45 p.m.  
3:00 p.m. - 3:45 p.m.  
4:00 p.m. - 4:45 p.m.  
6:00 p.m. - 7:30 p.m.

On-site Registration and Check-In at EMU  
Morning workshops  
Lunch (on your own)  
Opening Ceremony (Room 310A)  
Breakout Sessions  
Breakout Sessions  
Breakout Sessions  
MAEOE MASH (at Southeast Area Park, Ann Arbor)

## Saturday, October 2nd

7:00 a.m. - 1:00 p.m.  
8:30 a.m. - 8:45 a.m.  
9:00 a.m. - 9:45 a.m.  
9:00 a.m. - 10:45 a.m.  
10:00 a.m. - 10:45 a.m.  
11:00 a.m. - 11:45 a.m.  
12:00 p.m.  
1:00 p.m. - 4:00/4:30  
5:30 p.m. - 6:00 p.m.  
6:00 p.m. - 7:00 p.m.  
7:00 p.m. - 9:00 p.m.  
9:00 p.m.

On-site Registration and Check-In at EMU  
Morning Announcements (Room 310A)  
Breakout Sessions  
Extended Breakout Sessions  
Breakout Sessions  
Keynote Address (Room 310A)  
Lunch provided by MAEOE  
Field Trips Off Site  
Past Presidents Reception (Room 300)  
Pre-Banquet Reception for All (Room 310A)  
Awards Banquet (Room 310A)  
MAEOE Meltdown (Ann Arbor Regency)

## Sunday, October 3rd

8:30 a.m. - 9:45 a.m.  
10:00 a.m. - 10:45 a.m.  
10:00 a.m. - 11:45 a.m.  
10:00 a.m. - 2:00 p.m.  
11:00 a.m. - 11:45 a.m.

Coffee w/the Board (election results, 2022 Conference Preview and more) Room 310A  
Breakout Session  
Extended Breakout  
Aquatic WILD Workshop  
Breakout Session



# We're TOGETHER AGAIN at the 2021 MAEOE Conference!



We love coming together for our annual conference, but 2021 feels even more significant.

Though we hosted a virtual meeting of the membership last year at this time, our efforts to gather in person were thwarted. Twice. On top of that, 2020 presented additional hardships that challenged each of us to dig deeper, work harder and rethink how we navigate this world. But if this pandemic has taught us anything, it's that we need each other more than ever. The work we do to keep people connected to Michigan's natural resources is crucial and MAEOE's mission is stronger when we stand together. We don't underestimate what you had to consider in planning your attendance at this year's conference - it wasn't just about taking time off of work or being away from your family on a busy fall weekend - you also had to consider Covid. Though we are beyond excited to see you in person, we are making your health and safety our top priority and we truly hope you can find comfort in each other as we share our

passion for environmental and outdoor education as we should - together again.

As you settle into the EMU Student Center, we know that you'll remember why you love MAEOE conferences (or why you'll keep coming back if you're new to our EE community). You'll find breakout sessions that offer best practice in EE, highlight diversity, equity and inclusion and provide cross-curricular connections. In addition, this year's EEC capstone presentations will provide insight into the creative community-based endeavors that were accomplished in a pandemic year by our 2021 candidates. You won't want to miss the field trip opportunities that explore the urban landscapes of Ysilanti and Ann Arbor or the hands-on workshops that reacquaint you with outdoor and environmental education resources. If you find yourself with some extra time between sessions, join one of our "Conversations in the Kiva" to network with your peers and discuss relevant topics in our field.

Perhaps the most valuable thing we can offer in this conference experience is the opportunity to gather

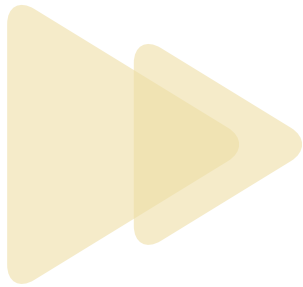
together again. Though we will be masked and socially distanced at our general assemblies and indoor offerings, we hope you take advantage of opportunities to safely socialize at our evening events and plan to attend Sunday morning's Coffee with the Board to hear important announcements, board election results and details about next year's conference on Beaver Island. Be sure to check out the Conference at a Glance for the entire lineup for the weekend.

It has certainly been an interesting time to serve as your president and I've been consistently impressed and inspired by the dedication and hard work of the core conference team, my fellow board members and the entire MAEOE community. You give me hope in these troubled times and I'm looking forward to seeing the impact we make as we continue to grow and stand united in our mission. Thank you for being here with us - we've missed you.

Together,

*Bridget*

Bridget Booth  
2020-2021 President  
Certified Environmental  
Educator



# Things you need to know...

## **Conservation Corner: Room 300**

**Opens 10:00 a.m. Friday through 12:45 p.m. Saturday**

**MAEOE Book Fair:** A great opportunity to pick up classroom and nature center resources. Dozens and dozens of titles and topics with proceeds going to MAEOE.

**Exhibit Alley:** Stop by and learn about programs and materials available from EE/OE partners. A great way to network with Michigan outdoor colleagues. Board of Director candidates will also have a table(s) available to display information about their expertise.

**Silent Auction:** Bring your treasures to donate and find others to purchase. All proceeds go to help fund MAEOE grant and scholarship programs. Winners will be posted by evening Awards Banquet Reception in room 310A.

## **MAEOE Wildlife Weekend**

- February 11-13, 2022 at the RAM Center on Higgins Lake
- Outdoor Photography or Where's the Wildlife?
- This year partnering with DNR's Nature Center Summit on February 11.
- Look for more information soon at [www.maeoe.com](http://www.maeoe.com)

## **Provide Leadership! Vote for the Next Board of Directors!**

- Voting takes place beginning at 8:00 a.m. Friday, October 1 through Saturday, 12:00 p.m. October 2. Log into to your MAEOE account at [www.maeoe.com](http://www.maeoe.com) to vote.
- Not sure who to vote for? Check out their bios/videos on the MAEOE website before you pull the lever or stop by the exhibit area (Room 300) and look for candidate materials.
- Best yet, stop and say hello to the candidates at the MAEOE MASH Friday evening!

# Lake Superior Sponsors

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Find out more at [tinyurl.com/DNReducation](https://tinyurl.com/DNReducation)

resources for home & school

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Academy of Natural Resources

Project WILD  
DNR-MAEOE  
MICHIGAN

NATURE AT HOME

Nature at School

Salmon in the Classroom  
MICHIGAN

field trips & family programs

**WASTE SOLUTIONS FOR A SUSTAINABLE TOMORROW.**

Waste Management has 75 Wildlife Habitat Council certified sites 8 of which are in Michigan. Our landfills provide over 18,000+ acres of wildlife habitat across the U.S. and Canada.

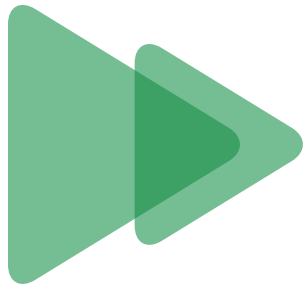
NOTE: Many of WM's landfills provide wildlife habitat, even though not certified by WHC.  
<https://sustainability.wm.com/>



# Lake Superior Sponsors



**Visit**  
**MI.gov/michiganprojectwild**  
**to book a**  
**professional development**  
**for you and your peers,**  
**or to register today.**



# Friday at a Glance

**October 1, 2021**

Start Time	End Time	Activity	Room
7:00 a.m.	4:00 p.m.	Registration/Check-In	Student Center (Third Floor)
8:00 a.m.		Voting Opens	Online
8:00 a.m.	11:30 a.m.	Workshops	
		NASA STEM: Exploring Earth Systems	320
		Aquatic Ecology through Fly Tying	330
		NAAEE K-12 EE Guidelines for Excellence	350
		A Quick Start to Bow-drill Fire Making	352
10:00 a.m.	5:00 p.m.	Silent Auction, Exhibits and Bookstore Open	300
12:00 p.m.	1:00 p.m.	Lunch on Your Own	
1:00 p.m.	1:45 p.m.	Opening Ceremony	310A
2:00 p.m.	2:45 p.m.	Breakout Sessions	
		EEC Capstone Projects	320
		Assessing Diversity, Equity, and Inclusion	330
		Place-Based Education 101	350
		Into the Wild (For Real)	352
3:00 p.m.	3:45 pm	EEC Capstone Projects	320
		Environmental Science has a bright future	330
		Virtual is Here to Stay	350
		Writing Like a Raptor	352
4:00 p.m.	4:45 p.m.	EEC Capstone Projects	320
		Fairytales: Fact or Fiction?	330
		Place-Based Education and Disability	350
		Self-Efficacy and Risk in Play	352
6:00 p.m.	7:30 p.m.	MAEOE MASH	Southeast Area Park (Ann Arbor)

**Enjoy Ann Arbor/Ypsi on your Own!**



## Friday, October 1, 2021 Workshops 8:00 a.m. – 11:30 a.m.

### **NASA STEM: Exploring Earth Systems with a Water Walk**

**Room 320**

#### **Workshop Fee: \$0**

Explore NASA Earth science resources for solving problems and creating Project-based Learning opportunities for your students. We will review lessons for field trip observations of water sources with the NASA Water Walk Field Trip and River Walk Field Trip educator guides. Lessons include calculating stream flow, satellite studies of watersheds and modeling a catchment basin. The focus will be on experiential learning strategies to develop descriptions and explanations using evidence. This interactive session takes place both in and outdoors. Susan Kohler, a NASA Education Specialist at the Glenn Research Center (OH) will lead the workshop. No Fee but registration required.

### **Aquatic Ecology through Fly Tying**

**Room 330**

#### **Workshop Fee: \$0**

Creative methods to teach STEM concepts are always in demand. This session is STEM at its best! Rich Eberly will guide you through the same process that he uses with his New Buffalo students. This includes building a fly-tying vise (from everyday materials), capturing aquatic insects, learning insect anatomy, tying a fly of that insect, and testing it with a fly rod. No Fee but registration required. Limited to 12 participants.

### **NAAEE K-12 EE Guidelines for Excellence**

**Room 350**

#### **Workshop Fee: \$20 MAEOE Member/\$30 Nonmember**

Are you interested in making your environmental education work more effective? Do you want to network with other environmental educators from across Michigan? Come learn about best practices with an overview of NAAEE Guidelines for Environmental Education Excellence in K-12 Learning in this engaging day workshop. In recent years, a team of MAEOE Board members, and others, have been certified as trainers by the North American Association for Environmental Education. Now this team brings the training to you! This fun and interactive workshop defines the aims of K-12 EE and will allow you to walk away feeling confident in your ability to recognize and execute high quality education. Learn how to support student development of the skills, practices, and understandings of environmental literacy at each grade band. Each participant will receive a bound copy of Environmental Education Materials: Guidelines for Excellence, K-12 Environmental Education: Guidelines for Excellence & K-12 Environmental Education: Guidelines for Excellence Executive Summary

### **A Quick Start to Bow-drill Fire Making**

**Room 352**

#### **Workshop Fee: \$20**

Participants will learn the proper form and technique to operate a bow-drill fire making set. Each student will receive a bow drill set consisting of the following pieces: handhold, spindle, fire-board, and tinder bundle. A bow will be provided to use during instruction. Be prepared to push yourself mentally and physically as you learn this ancient skill. Participants should bring a sharp knife, water bottle and notebook and pen. Both indoor and outdoor time included. Limited to 12 participants. Shawn M. Grose, owner of Earth N Sky School of Nature and Wilderness will lead the workshop.



# Friday Highlights

## Welcome and Opening Assembly

1:00 p.m. – 1:45 a.m.

### Room 310A

Come kick off the MAEOE conference with a hearty welcome from President Bridget Booth. Learn about conference highlights, meet board members and candidates, and hear about the amazing things YOUR organization accomplished in the past year despite COVID-19.

## MAEOE MASH

6:00 p.m. – 7:30 p.m.

### Southeast Area Park

2901 E. Ellsworth Road, Ann Arbor, 48108

Don't miss the opportunity to meet, greet and eat with friends old and new. Being COVID conscious MAEOE is hosting this year's social event outdoors at SE Park in Ann Arbor just minutes from the EMU Campus. Stop for some food and beverages (yes, those kind) before heading out for a night on the town in one of Michigan's most unique college towns.

## Friday Breakout Session Descriptions

2:00 -2:45 p.m.

### EEC Capstone Projects: Room 320

#### StoryWalk Adventures: Solving the Pandemic Programming Dilemma

StoryWalks have long served as great additions to parks, playgrounds, and school yards. Learn how the Storybook Trail installation can be used in formal, non-formal and self-guided environmental education. Ashlie Smith

#### Passport to Nature

A family program demonstrating the connectedness of habitats and how the park rules help to keep nature healthy. This program explored one kind of habitat each month and how it connected to others. Activities and examples will be shared. Angela Passarelli

### Assessing Diversity, Equity, and Inclusion While Developing Programs: Room 330

*D'Nae Hearn, Detroit Zoological Society*

This breakout session will discuss some of the issues in diversity, equity, and inclusion in programming for all ages and steps for assessing those issues in program development.

### Place-Based Education 101:

#### Empowering Students through Great Lakes & Community Stewardship: Room 350

*Meag Schwartz, Northeast Mi. Great Lakes Stewardship Initiative and Meaghan Gass, MSU Extension*

Place-based education connects learning to local issues – empowering students, educators, and communities through hands-on applied learning experiences. PBE opportunities include schoolyard habitats, marine debris, student filmmaking, water quality monitoring, invasive species management, and more.

### Into the Wild (For Real) Room 352

*Kelsey DeCamillis, EMU Research Asst, and Jason DeCamillis, Teacher Consultant with Washtenaw ISD*

Taking a group of 40, mostly Arab-American high school students, to Pinckney Recreation Area to experience the wilderness connected them to nature, literature, and place-based learning. This session will detail the lesson plan, materials used, personal lessons learned, and more.

3:00 – 3:45 p.m.

### EEC Capstone Projects: Room 320

#### **Nature Exploration in Missaukee County**

Learn how the Missaukee Conservation District promotes youth nature connection with their Discover Nature Day Camp and Discover Nature Backpack program. Andrea Mayer

#### **Merging STEM with Branch (held on Zoom)**

Teaching K-12 students the creative and critical thinking skills involved in a hands-on Science Technology Engineering Math curriculum by merging with a place-based outdoor education classroom. Jen Judson

#### **Teaching so that Environmental Science has a Bright Future: Room 330**

*Mike Reed, Detroit Zoological Society*

What does the future of environmental science and outdoor recreation look like? Michigan Sea Grant Interns Gabrielle DeMott and Aiden Bobak will show you how a united group of environmentally and culturally competent young people can lead us to an environmentally conscious future that we will all benefit from.

#### **Virtual is Here to Stay: Room 350**

*Tracy Page, Michigan DNR*

Learn how to create virtual programs and materials to fit your new audiences - creating ADA accessible PDFs, integrating materials in your websites, utilizing virtual teaching platforms to their highest extent, and connecting with students and teachers in inventive ways.

#### **Writing Like a Raptor: Room 352**

*Scot Martin, Wayne Memorial HS*

Do you feel like your writing or your students' writing is an egg or two short of a clutch? Do you feel preyed upon by words, phrases, and clauses? How might the metaphor raptor help your writing? Find out by attending this presentation and adding a few feathers to your cap (or at least a metaphorical rabbit to chew).

4:00 – 4:45 p.m.

### EEC Capstone Projects: Room 320

#### **Wet and Wild!: Increasing Youth Water Literacy**

MSU Tollgate Farm explores ways to increase youth water literacy with local fifth graders through extended place-based teaching and learning. In the classroom, on the farm, and at the river. Ellen Koehler

#### **Follow the (Student) Leaders: Rationale, Process, and Lessons Learned from Launching an Environmental Youth Council**

Positive impacts that youth-adult partnerships can have on environmental advocacy and youth development. Learn the findings for guiding principles, concrete practices, and recent accomplishments from the first years of collaborative youth council work with high school students. Coert Ambrosino

#### **Fairytales: Fact or Fiction? Room 330**

*Tori Reibel, Appalachian Bear Rescue*

Explore well-known tales of mighty bears and reminisce on fabled childhood stories while learning bear ecology along the way. Discover how fictional stories depict both the truths and fallacies of our wild counterparts. The answers might surprise you.

#### **Enriching Place-Based Education Through Disability Studies: Room 350**

*Jason DeCamillis, Teacher Consultant with Washtenaw ISD and Miriam Furlan Brighente, EMU Ph.D. Student.*

Place-based education and practice must include disabled students and the broader disabled community using a Critical Disability Studies lens. This session will ask participants to explore gaps and shine some light with us as we work toward building truly inclusive communities through PBE.

#### **Climbing for Resilience: The Relationship Between Self-Efficacy and Risk in Play: Room 352**

*Jennifer Bennett, EMU Ph.D. Student*

Play that involves risk, like climbing a tree or jumping on rocks, is especially valuable for building resilience, yet safety concerns can limit children's access to these activities. This session explores the relationship between risky play and self-efficacy in young children.

# Lake Michigan Sponsors



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[Michigan.gov/EGLEClassroom](https://Michigan.gov/EGLEClassroom)



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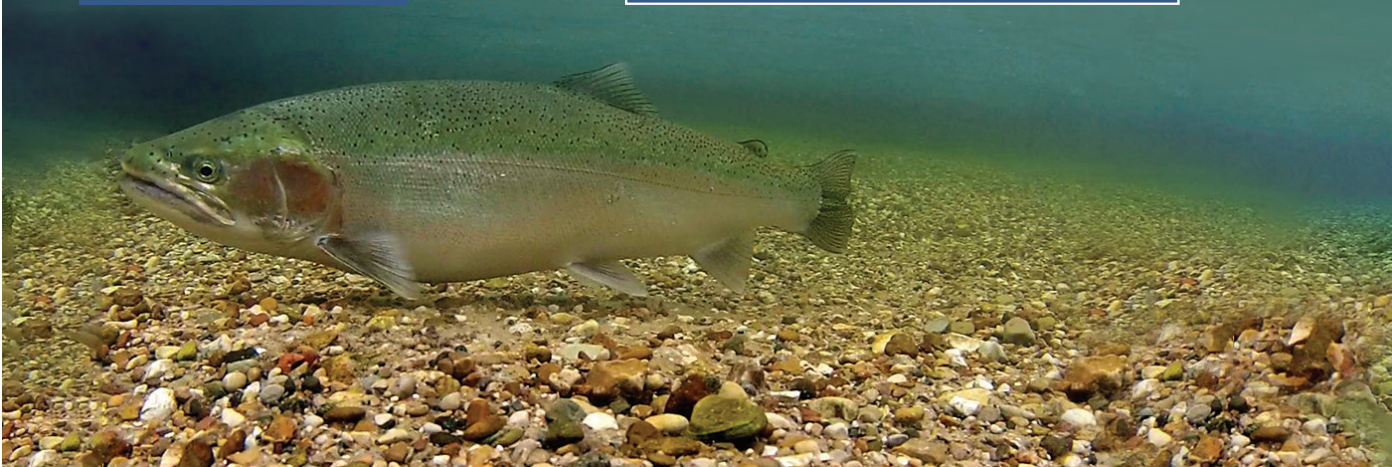
[Michigan.gov/EGLEConnect](https://Michigan.gov/EGLEConnect)



The Great Lakes and their connecting channels form the largest surface fresh water system on earth.

Michigan Sea Grant is at the heart of that system. We are dedicated to the protection and sustainable use of the Great Lakes and coastal resources.

[michiganseagrant.org](https://michiganseagrant.org)



# Lake Michigan Sponsors

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STUDENTS TO

**WONDER**

MiSTEM Network provides real-world connections between schools, the workplace and communities.

Learn more at [michigan.gov/mistem](http://michigan.gov/mistem)



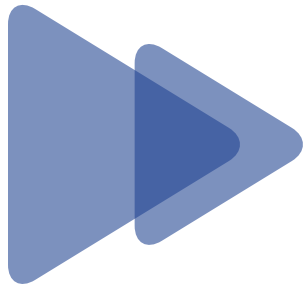
[www.michiganplt.org](http://www.michiganplt.org)

## Welcome New Members!

Staff at the registration table can answer any of your questions or look for Maeoe Committee members wearing “Ask Me!” buttons”

We will be hosting a special new member social gathering on Friday from 5:30 p.m. to 6:00 p.m. at Southeast Area Park before the MAEOE MASH. The rest of the membership will be arriving at 6:00 p.m. We look forward to seeing you.

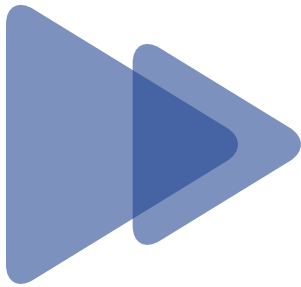




# Saturday at a Glance

**October 2, 2021**

Start Time	End Time	Activity	Room
7:00 a.m.	12:00 p.m.	Registration/Check-In <i>Voting closes at noon online</i>	Student Center (Third Floor)
8:30 a.m.	8:45 a.m.	Morning Announcements	310A
9:00 a.m.	12:45 p.m.	Silent Auction, Exhibits, Bookstore Open	300
9:00 a.m.	10:45 a.m.	Extended Breakout Sessions (105 minutes) Staying Alive: Survival 101 I Want to Earn my EEC	320 330
9:00 a.m.	9:45 a.m.	Breakout Sessions (45 minutes) Asian Cultural Connections with Nature Piping Plover Conservation	350 352
10:00 a.m.	10:45 a.m.	Breakout Sessions (45 minutes) More People of Color in the Outdoors Guidelines for Excellence	350 352
11:00 a.m.	11:45 a.m.	Keynote Speaker: Heather Dawson	310A
12:00 p.m.	12:45 p.m.	Lunch	310A
1:00 p.m.	4:30 p.m.	Field Trips Innovative EE in AA Ypsilanti High School Walking Tour Waterloo Recreation Bog Hike University of Michigan Museum of Natural History	Offsite
5:30 p.m.	6:00 p.m.	Past Presidents Reception	300
6:00 p.m.	7:00 p.m.	Pre-Banquet Reception	310A
7:00 p.m.	8:45 p.m.	Awards Banquet	310A
9:00 p.m.	11:00 p.m.	MAEOE Meltdown	Ann Arbor Regent Hotel



# Saturday Highlights

## Keynote Presentation 11:00 - 11:45 a.m. Room 310A

### Assessing Restoration of a Riverine Ecosystem: A Case Study of the Flint River



Dr. Heather Dawson is a professor at the University of Michigan-Flint, and former fisheries biologist for the

U.S. Fish and Wildlife Service. She has had an active role in assessing the ecology of the Flint River and researching methods to restore one of Michigan's great urban rivers. This is a tale that may be relevant to urban centers across our state, many of which are dependent on a local river. Heather is always looking for research opportunities for her students and an opportunity to be involved with community-engaged research.



**Past Presidents and Board Reception**  
5:30 - 6:00 p.m.  
Room 300

**Pre-Banquet Reception**  
6:00 - 7:00 p.m.  
Room 310A

**Awards Banquet**  
7:00 - 8:45 p.m.  
Room 310A

**MAEOE Meltdown (hospitality)**  
9:00 - 11:00 p.m.  
Ann Arbor Regent Hotel

# Saturday Breakout Session Descriptions

## Extended Sessions

9:00 a.m. – 10:45 a.m.

### **Staying Alive: Survival 101: Room 320**

*Patrick Estes, Windemere Park Charter Academy*

Pandemics, civil unrest, zombies? Are you prepared? How to locate and secure food, find and purify water, maintain body heat, avoid hypothermia, build and start a fire, and ways to make a shelter. Some classroom time, but also time for participants to try some skills outside.

### **I Want to Earn my EEC: Room 330**

*Cindy Fitzwilliams-Heck, Ferris State University*

Discover the new, fresh and inclusive offerings MAEOE's professional certification has for you. Learn what it takes to become a certified environmental educator in Michigan, get details of an alternate EE program, plan your path, and find out what to expect in the upcoming online Strand 1 workshop.

## 45-Minute Breakouts

9:00 a.m. – 9:45 a.m.

### **Asian Cultural Connections with Nature Room 350**

*Rasmi Overbeek, Environmental Educator and Sweta Joshi, Oakland University*

This hands-on workshop will take you back several centuries when the yoga sutras and other Asian arts, music, food and dance forms were created around the principals of being one with nature and spirituality. Take home tools to help your students connect with nature other cultures.

### **Piping Plover Conservation at Wilderness State Park: Room 352**

*Maureen Stine, Natureology*

*Wilderness State Park in Emmet County*

hosts a segment of the Great Lakes population of the endangered piping plover, *Charadrius melodus*. Learn about the recovery efforts developed to protect this shoreline specialist including banding, captive rearing, monitoring and the teamwork of conservationists.

## 45-Minute Breakouts

10:00 a.m. – 10:45 a.m.

### **Why are there not more People of Color in the Outdoors?**

*Joan Chadde, Michigan Tech*

Why aren't more People of Color recreating in our state & national parks? What can we do to make the outdoors more inviting and accessible to all? Hear the thoughts and experiences of those People of Color who are outdoor enthusiasts, and together we'll discuss what we can do to create change.

### **Guidelines for Excellence: Designing EE Programs and Materials**

*Misty Klotz, Kellogg Biological station*

Are you interested in making your environmental education work more effective? Come learn about NAAEE Guidelines for Environmental Education Excellence. These Guidelines offer a set of recommendations for developing and administering high quality environmental education programs.



## **Saturday, October 2, 2021    Field Trips    1:00 p.m.-4:00 p.m.**

### **Innovative EE in AA**

**Field Trip Fee: \$0**

This two for one field trip will take you on an afternoon of engaging EE efforts at two local area sites just minutes from each other. The Farm at St Joseph Mercy takes holistic health to a whole new level with pollinator and engagement gardens and much more. Laura Meisler, Education Coordinator at the Farm will lead this field trip. Less than 15 minutes away is the Freeman Center, recently dedicated as an integral part of Ann Arbor Public Schools. Tour the 40-acre site and learn how this program continues the legacy of Bill Stapp who helped initiate EE in AA schools 60 years ago. Dave Szczygiel and Coert Ambrosino are environmental educators for AAPS and will lead this portion of the field trip. Both these sites are only minutes from EMU conference site and carpooling is encouraged. This field trip is free to all conference registrants. Although free, you must register to participate on the conference registration platform.

### **Ypsilanti HS Walking Tour**

**Field Trip Fee: \$0**

Ypsilanti High school students and teachers will lead participants on a walking tour of place-based civic science projects (pollinator and rain gardens; planned flooding mitigation and community and regrow gardens) at Ypsilanti Community Schools, showcasing this student generated collaborative project with community partners, teachers, district administrators, facilities staff, and students. Students will engage participants in activities utilized to investigate local environmental issues and showcase solutions they have implemented. Paula Sizemore, Instructional Coach in Mathematics and Sciences, will lead the field trip. This field trip is free to all conference registrants. Transportation is not provided, but carpooling encouraged. Although free, you must register to participate on the conference registration platform.

### **Waterloo Rec Area Bog Hike**

**Field Trip Fee: \$0**

Looking for a hike in woods and waters? Just north of I-94 between Chelsea and Jackson lies one of Michigan's best kept secrets, the Waterloo Recreation Area. Waterloo is the third-largest state park in Michigan, encompassing over 21,000 acres of forest, lakes, and wetlands. Join DNR Interpreter Katie McGlashen at the Gerald Eddy Discovery Center for a quick historical overview and then a hike to one of Waterloo's most unique features, a peat bog. Huge beech dot the trail and many species of carnivorous plants await you at your final destination. Looking for an adventure outside of the city limits? This field trip is for you. The Eddy Center is about a 35- minute drive from EMU. Transportation is not provided, but carpooling encouraged. Although free, you must register to participate on the conference registration platform.

### **University of Michigan Museum of Natural History**

**Field Trip Fee: \$5 plus parking**

Located only about 15 minutes from EMU campus, the University of Michigan Museum of Natural History is brand new after a recent campus relocation. Join MAEOE Board Treasurer and Museum Program Manager Brittany Burgess for an incredible tour. A journey through four billion years on earth, explore Michigan's diverse ecosystems and many other exhibits that will challenge your science knowledge. Discover the two Investigate Labs where students can dig in and do what scientists do. Learn how the museum works within the Ann Arbor community and how they connect their visitors to science. Transportation is not provided, but carpooling encouraged. You must register to participate on the conference registration platform.

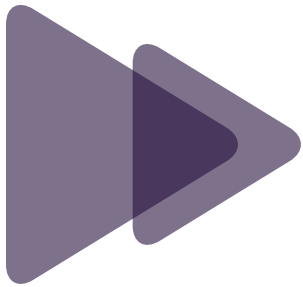


# Sunday at a Glance

October 3, 2021

Start Time	End Time	Activity	Room
8:30 a.m.	9:45 a.m.	Coffee with the Board	310A
10:00 a.m.	2:00 p.m.	Aquatic WILD Workshop	310A
10:00 a.m.	11:45 a.m.	Extended Breakout Session Bats, Bees, Butterflies	330
10:00 a.m.	10:45 a.m.	Breakout Session (45 minutes) Key to Engaging Young People of Color	320
11:00 a.m.	11:45 a.m.	Breakout Session (45 minutes) Civic and Environmental Connections	320





# Sunday Highlights

## Coffee with the Board

8:30 a.m. Sharp  
Room 310A

- Morning Announcements
- Introduction of New Board Members
- Beaver Island Conference Presentation
- MAEOE Minutiae Match

## Sunday Morning Breakout Session Descriptions

### Extended Breakout 10:00 - 11:45 a.m.

#### **Bats, Bees, Butterflies: Family and Classroom Fun: Room 330**

*Erin Parker, Huron Clinton Metroparks*  
Explore ways to deepen classroom or family learning through literacy, math, geography, art, and more by connecting to our backyard wildlife. These engaging organisms, and a variety of community science projects, can be used for student-led learning across the curricula while connecting to the standards.

### 45-Minute Breakouts 10:00 a.m. to 10:45 a.m.

#### **The Key to Engaging Young People of Color in Environmental Science: Room 320**

*Keith Young, Ecotek*  
Keith's unique program at Ecotek allows young People of Color to dream, flourish and create environmental science projects and programs that reach beyond our borders. Keith, and his students will highlight some of these amazing success stories.

### 11:00 a.m. to 11:45 a.m.

#### **Building Students Civic and Environmental Connections: Room 320**

*Erin Gallay, SE Michigan Stewardship Coalition*

Through participatory activities participants will learn about place-based civic science education in urban areas, and the impacts on student learning, activism and efficacy. When urban youth, their teachers and community partners collaborate to address local environmental issues, great things happen.

### Sunday Morning Workshop 10:00 a.m. - 2:00 p.m.

#### **Aquatic WILD in Michigan: Room 310**

*Natalie Elkins, Michigan DNR*  
Join the state coordinator for a grant funded FREE professional development that ties science standards to our community watersheds and wildlife, through research-based, hands-on activities and investigations. An internationally renowned activity guide is included. You must pre-register for this class.

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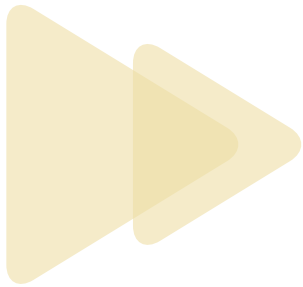
**Director at Large:** Gabrielle Likavek, Saginaw Valley State University

**Director at Large:** Lisa Perez, U.S. Forest Service, Detroit

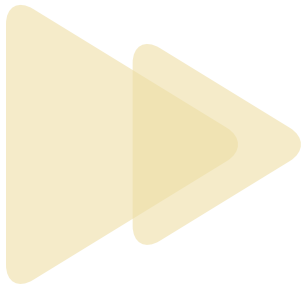
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**MAEOE Advisor:** Kevin Frailey, Michigan DNR, Lansing



# NOTES



# NOTES

Michigan Alliance for  
Environmental and  
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# Save the Date!

MAEOE 2022 Conference  
September 30 - October 3  
BEAVER ISLAND  
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