

2019

Environmental Education
Association of Alabama



EEAA Annual Conference
Magic and Wonder on the Mountain
February 28-March 2, 2019
Cheaha State Park, Delta, Alabama 36258



Conference Program

Housekeeping and Logistics

Breakfast on Friday and Saturday, and lunch on Saturday, will be in the Cliffside Restaurant located by the hotel rooms near the entrance to the park. You will “pay” for your meals with the tickets in your registration packet. Please put your tickets in a safe place where you can access them easily.

If you need assistance moving from session to session, please notify an EEAA member at the registration desk.

A map of Cheaha State Park is on page 5 of this program.

2019 EEAA Conference Schedule

Thursday, February 28, 2019

- 9:00 AM –4:00 PM** Preconference workshop – Campus Critters: Exploring Schoolyard BIOdiversity Bald Rock Dining Room
- 5:00 PM-9:00 PM** Registration Bald Rock Lodge Lobby
- 6:00 PM** Hors d'oeuvres Social Bald Rock Dining Room
- 7:00 PM** Welcome by Mandy Pearson, President of EEAA Bald Rock Dining Room
- Opening Address, *Nature-Inspired Life and Living: Seeing and Translating Nature's Infinite Storm of Beauty*, presented by Dr. Stephen B. Jones Bald Rock Dining Room
- Night Hike with Mandy Pearson, Bald Rock Dining Room

Friday, March 1, 2019

7:00-7:45 AM Breakfast at Cliffside Restaurant

7:30 AM-6:00 PM Registration Bald Rock Lodge Lobby

8:00 AM Field Trips with boxed lunches

<i>Tour of Munford Elementary School</i>	<i>USFS Talladega National Forest</i>	<i>Waterfall Hike</i>	<i>Zentangle on the Mountain</i>	<i>Interpretive Hike in Cheaha State Park</i>
Bald Rock Lodge Front Patio	Bald Rock Lodge Circle Drive	Bald Rock Lodge Back Patio	Bald Rock Dining Room	Bald Rock Lodge Back Pavilion

8:45 AM Silent Auction begins! Bald Rock Dining Room Closes Saturday 10:45 am

1:30 PM Welcome and updates – Mandy Pearson Bald Rock Dining Room

1:45 PM Keynote: Steve Trash–The Magic of Environmental Science Bald Rock Dining Room

3:00 PM Concurrent Sessions I 1 hour sessions

<i>Alabama Rivers, A Celebration and Challenge</i> , Bill Deutsch, Mona Dominguez and Sydney Smith, Alabama Water Watch Association & Alabama Bicentennial Commission, Auburn University Audience: Grade 4 - 12 educators, public Bald Rock Dining Room	<i>Science/Math Integration for a Sustainable Planet</i> , Melinda Staubs, Jacksonville State University Audience: Grade 4 - 6 educators Board Room Upstairs	<i>Southern Exposure: The Magic and Wonder of Documentary Films</i> , Jess Lingle, McDowell Environmental Center and Southern Exposure Film Fellowship Alumna Audience: All Chapel	<i>Nature for Young Children: Engaging Wonder with the Natural World</i> , Sarah Crim, Auburn University Kreher Preserve and Nature Center Audience: PreK - grade 3 educators Bald Rock Group Lodge Back Pavilion	<i>Magic and Wonder at Alabama's State Parks, EE Connections</i> , Mandy Pearson, Cheaha State Park Audience: Grade K - 12 educators, public Bald Rock Group Lodge Back Patio
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4:15 PM Concurrent Sessions II 1 hour sessions

<i>Sifting Sands: Microplastics in Our Watershed</i> , Lauren Stills, Dauphin Island Sea Lab Audience: Grade 4 - 12 educators Bald Rock Dining Room	<i>Project Learning Tree: Connecting the Forest to our Classrooms</i> , Nicholas Bourke, Tami Shelley, Melanie Black, Kayla Brock and Roberta Ma'o, Auburn University at Montgomery Audience: Grade K - 6 educators Board Room Upstairs	<i>An Introduction to iNaturalist</i> , Roger Birkhead, Auburn University Science in Motion Audience: Grade 7 - 12 educators, public Chapel	<i>Institutional Sustainability: How to Green Your School</i> , Susan Caplow, University of Montevallo Audience: Grade K - 12 educators, public Bald Rock Group Lodge Back Pavilion	<i>Why is Team Building a Part of Environmental Education?</i> , Beth Dille, McDowell Environmental Center and Farm School Audience: Grade K - 12 educators Bald Rock Group Lodge Back Patio
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6:00 PM Dinner: Bald Rock Lodge Dining Room

7:30 PM BEEP Awards and Enviro-Auction!!! Auditorium

The EEAA Live Auction is a lively, fun-filled annual event. Bring your checkbook (credit cards can be accepted)!!! Proceeds go to the Professional Development Funds (PDF). EEAA members can apply for PDF to attend workshops.

2019 EEAA Conference Schedule

Saturday, March 2, 2019

7:00-7:45 AM Breakfast at Cliffside Restaurant

7:30 -10:00 AM Registration Bald Rock Lodge Lobby

8:30 AM Concurrent Sessions III 1 hour sessions

A Demonstration of the Watershed Game, Brenna Sweetman, NOAA Office for Coastal Management, and Carly Jones, University of Alabama, Alabama's Water Institute
Audience: Grade 4 - 12 educators
Bald Rock Dining Room

The Art of Accurate and Persuasive Science Communication, Claire Datnow, Author,
Audience: Grade 4 - 12 educators, public
Board Room Upstairs

The Wonder of Whooping Cranes, Lexington Eiler, International Crane Foundation
Audience: Grade K - 6 educators, public
Chapel

Alabama Science in Motion, Roger Birkhead and Jill Chambers, Alabama Science in Motion (AU and UAB)
Audience: Grade 9 - 12 educators
Bald Rock Group Lodge Back Pavilion

Mimicking the Forest in Agriculture Andrew Shea, Camp McDowell Farm School
Audience: Grade 4 - 12 educators, public
Bald Rock Group Lodge Back Patio

10:45 AM Silent Auction Closes

10:00 AM Concurrent Sessions IV 2 hour sessions

From Trash to Treasure: Upcycle Makey-Makey, Shirley Farrell, Troy University
Audience: Grade 4 - 12 educators, public
Bald Rock Dining Room

Using Multi-sensory Strategies to Teach Elementary Science, Amy Mehok and Cristina Turner, Endeavor Elementary School
Audience: Grade K - 3 educators
Board Room Upstairs

A Fresh look at Roadkill: When Kids Care, Their Work Counts, Heather Montgomery, Author
Audience: Grade 4 - 12 educators, public
Chapel

Likin' Lichens: Intro to Lichens and Bio-monitoring, J. Kevin England, University of West Alabama and Double Springs Middle School
Audience: Grade 7- 12 educators, public
Bald Rock Group Lodge Back Pavilion

Developing a Sense of Place!, Maggie Johnston and Beth Dille, McDowell Environmental Center and Farm School
Audience: Grade K - 12 educators, public
Bald Rock Group Lodge Back Patio

12:30 PM Closing Luncheon at Cliffside Restaurant
Announcement of new EEAA board!

1:30 PM Board Meeting Bald Rock Dining Room

Presentation Descriptions

Friday, March 1, 2019

3:00 - 4:00 PM Concurrent Sessions

Alabama Rivers, A Celebration and Challenge: Bill Deutsch, Mona Dominguez and Sydney Smith, Alabama Water Watch Association and Alabama Bicentennial Commission, Auburn University

"Alabama Rivers Book Workshops" for educators will be held in summer 2019 as part of the Alabama Bicentennial Celebration. This session is a "teaser" designed to encourage educators to attend the summer workshops and to provide feedback on the curriculum.

Science/Math Integration for a Sustainable Planet: Melinda Staubs, Jacksonville State University

Engage in innovative activities that build elementary science and math skills while teaching real-world ecology concepts (carrying capacity, natural resource use, human interactions with ecosystems and biodiversity.)

Southern Exposure: The Magic and Wonder of Documentary Films Jess Lingle, McDowell Environmental Center and Southern Exposure Film Fellowship Alumna

Join a Southern Exposure Film Fellowship Alumna and learn about the importance of documentary films as an educational tool to inform, inspire and help us appreciate "our place." See Jess's film "Who's Your Farmer" followed by an interactive discussion.

Nature for Young Children: Engaging Wonder with the Natural World: Sarah Crim, Auburn University Kreher Preserve and Nature Center

Children are drawn to the natural world through play and interaction. This presentation will provide hands-on activities based in nature pedagogy and the teachings of Claire Warden. Material will be from her Journeys into Nature workshop.

Presentation Descriptions

3:00 - 4:00 PM Concurrent Sessions I

Magic and Wonder at Alabama's State Parks, EE Connections: Mandy Pearson, Cheaha State Park

Join EEAA President Mandy Pearson for a discussion about the many environmental educational opportunities for students, families and individuals at Mt. Cheaha and other state parks.

4:15-5:15 PM Concurrent Sessions II

Institutional Sustainability: How to Green Your School: Susan Caplow, University of Montevallo

Interested in finding ways to reduce your school's ecological footprint? Join us for a participant-driven discussion on best practices in sustainability, how to incorporate it into curriculum, working with internal/external partners on sustainability projects, and other topics of your choosing!

Sifting Sands: Microplastics in Our Watershed: Lauren Stills, Dauphin Island Sea Lab

Plastics are not biodegradable; they just get smaller and smaller and turn into MICROPLASTICS. Dive headfirst into the sands of time and investigate human impacts on Alabama. Join Dauphin Island Sea Lab's (DISL) Discovery Hall Programs (DIP) to learn more about the problem of plastic pollution and microplastic abundance.

An Introduction to iNaturalist: Roger Birkhead, Auburn University Science in Motion

Ever found some cool organism and wonder what it was? There is an app for this! This presentation will provide an overview of iNaturalist, how to register, and how to make effective observations.

Project Learning Tree: Connecting the Forest to our Classrooms: Nicholas Bourke, Tami Shelley, Melanie Black, Kayla Brock and Roberta Ma'o, Auburn University at Montgomery

Project Learning Tree (PLT) is an excellent source of ideas and activities that connects science standards to environmental education. Experience some of our favorite classroom tested activities.

Why is Team Building a Part of Environmental Education?: Beth Dille, McDowell Environmental Center & Farm School

When asked the title question, students "get it" and say that no one can solve the problems of the world alone! Discuss team building concepts and learn thought provoking, fun initiatives that demonstrate the importance of working with others.

Saturday, March 2, 2019

8:30 – 9:30 AM Concurrent Sessions III

The Art of Accurate and Persuasive Science Communication: Claire Datnow, Author, Alabama Writers' Conclave, Society for Children's Book Writers and Illustrators, Birmingham Audubon Society

Monster Hurricanes, Gigantic Oil Spills, The Great Pacific Garbage Patch, 23andMe....A behind-the-scenes look at how authors create fiction or nonfiction science-related narratives. The presenter's firsthand experiences will provide a road map to writing stories that effectively connect readers/audiences with the problems and issues that matter to them.

Alabama Science in Motion: Roger Birkhead and Jill Chambers, Alabama Science in Motion (AU and UAB)

If you are familiar with Alabama Science in Motion but have not utilized the program in your science classes, now is the time to take a new look at what ASIM has to offer!

The Wonder of Whooping Cranes: Lexington Eiler, International Crane Foundation

Whooping Cranes are the rarest cranes in the world and a true wonder of Alabama wetlands. Learn how to incorporate these amazing birds into your curriculum with fun activities!

A Demonstration of the Watershed Game: Brenna Sweetman, NOAA Office for Coastal Management, and Carly Jones, University of Alabama, Alabama's Water Institute

Come play the Watershed Game! Experience this large-format board game that engages and educates students on the connection between land use and water quality.

Mimicking the Forest in Agriculture: Andrew Shea, Camp McDowell Farm School

Delve into the world of fungal and bacterial decomposition for enrichment and education! Learn how to propagate edible mushrooms! This is an approachable way to get into the world of composting, through both small and large scale projects, for classrooms, homes and facilities.

10:00 AM– 12:00 PM Concurrent Sessions IV

***A Fresh look at Roadkill: When Kids Care, Their Work Counts:* Heather Montgomery, Author**

What do contagious cancer, rebuilding skeletons, and bridge-building have in common? Roadkill. Use this engaging, gross-out topic to integrate language arts, science and engineering skills.

***Likin' Lichens: Intro to Lichens and Bio-monitoring:* J. Kevin England, University of West Alabama and Double Springs Middle School**

Explore the hidden world of lichens - part fungus, part algae, and all fascinating. Learn lichen identification, their role in the ecosystem, and bio-monitoring techniques.

***From Trash to Treasure: Upcycle Makey-Makey:* Shirley Farrell, Troy University**

Join this session and transform trash and waste products into new, useful products. We will create products you can take back and share with others and produce with your students using water bottles, plastic bags, bottle caps, old clothes, etc. Take your new treasures home to teach others how to upcycle!

***Using Multi-sensory Strategies to Teach Elementary Science:* Amy Mehok and Cristina Turner, Endeavor Elementary School**

Help your students realize the "Magic and Wonder" of science by teaching them how to think, draw, and act like real scientists!

This is a hands-on, multi-sensory approach to learning and doing science and cross-curriculum activities in the classroom.

***Developing a Sense of Place!:* Maggie Johnston and Beth Dille, McDowell Environmental Center and Farm School**

Get a fresh approach to connecting to the Natural World. Whether your outdoor classroom is 1200 acres or a paved playground, you can get your students excited about learning EE through "I Notice. I Wonder..." and other creative outdoor activities.

Park Map

EEAA programs and activities will take place around Bald Rock Lodge.

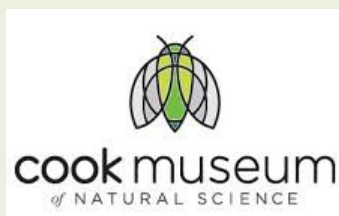


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