



CONFERENCE PROGRAM

**EXPLORING
THE RICHNESS OF
ENVIRONMENTAL
EDUCATION**

Your Practice, Profession, & Partnerships

**SOUTHEASTERN ENVIRONMENTAL EDUCATION ALLIANCE
2017 ANNUAL CONFERENCE**

Hosted by The Environmental Education Alliance of Georgia
Environmental & Heritage Center, Buford
March 3-5, 2017

THE ENVIRONMENTAL EDUCATION ALLIANCE OF GEORGIA

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Michael O'Shield, DeKalb County Watershed Management

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Linda May, GA DNR, Wildlife Resources

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Jerry Hightower, National Park Service, CRNRA

SOUTHEASTERN ENVIRONMENTAL EDUCATION ALLIANCE 2016-2017 Leadership Team

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Secretary - **Tracey Ritchie** (FL)

Treasurer - **Ian Sanchez** (SC)

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Ian Sanchez
Laura Thomas

Kentucky Association for Environmental Education (KAEE)

Ashley Hoffman
Jennifer Hubbard-Sanchez

Tennessee Environmental Education Association (TEEA)

Ramona Nelson
Ginger Reasonover

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On behalf of the Environmental Education Alliance (EEA), I would like to welcome each of you to Georgia for the 2017 Southeastern Environmental Education Alliance Conference. It's an exciting time for EEA as we continue to grow and change, remaining adaptable, motivated and responsive. The world of environmental education is an exciting area in which to work/study/play, and we'll continue to meet and bring inspired people together in forums like this, to ensure our field remains at the cutting edge.

I'd like to give you an idea of what you can expect and what we hope to achieve over the next few days. We have three full days exciting programming to include research sessions, educational tool sessions, an inspirational keynote speaker, Christopher Uhl and a family day for learning through play on Sunday. We have built in time to visit the exhibit hall, the EEA store and networking/socializing with fellow educators from around the state and southeast region. We want you to leave with motivation and inspiration to take back to your community all drizzled with a bit of southern hospitality.

EEA Board of Directors is excited to announce will be working with a consultant to revise our Strategic Plan. We will keep our eyes set on the goals laid out by our founders while continually seeking ways to reach our audiences through updated methods, technologies and information. These goals include the following:

- To increase the content knowledge, skill level, and confidence of active and potential environmental educators through professional development and continuing education.
- To facilitate communication, networking, and the building of partnerships among stakeholders
- To advocate for the increased practice of environmental education
- To promote the development and use of effective, research based environmental education pedagogy
- To support values of diversity in environmental education
- To highlight emerging trends in environmental education and stewardship.

Before I close, I'd like to thank each of your for attending our conference and bringing your expertise to our gathering. As organization leaders, you have the vision, the knowledge, the wherewithal and the experience to help us pave our way into the future. You are truly our greatest asset today and tomorrow. Throughout this conference, I ask you to stay engaged and help us shape the future of environmental education. My personal respect and thanks goes out to all of you.

Sincerely,
Cora Keber, President 2016-2017
Environmental Education Alliance of Georgia

Welcome to the 5th Annual Conference of the Southeastern Environmental Education Alliance (SEEA). We would like to thank the Environmental Education Alliance in Georgia for hosting us in conjunction with their state conference and for all the hard work they put into making this event a success. This conference provides us with a unique opportunity to reflect on our achievements over the past five years and to celebrate future opportunities for our region.

SEEA's primary function is serving as the regional alliance for environmental education in the southeast and strengthening the dynamic network for environmental education in each of our states. The SEEA and the state environmental education organizations that comprise it are actively engaged as part of a network of over 50 state, regional, and provincial affiliates of the North America Association for Environmental Education.

We are excited to bring together presenters and researchers from across the region to share, network and learn from one another. It is an honor to have you here with us and we hope you enjoy the conference!

Sincerely,
Ashley Hoffman, Executive Director
Southeastern Environmental Education Alliance

GENERAL INFORMATION

2017 SEEA Annual Conference



EVENING SOCIALS

Don't rush out, stay and get to know each other...

Friday Family Game Night

Join in the fun and lighthearted competition of game night! If you are up to the challenge, enter our Environmental Education Scrabble Tournament. Bring your best EE words for extra points and you might be the grand prize winner! We will be serving Mellow Mushroom pizza and Sweetwater beer!!

Saturday Sip & Stroll

Enjoy a drink and heavy hors d'oeuvres as you explore the GEHC Galleries & Exhibits, visit the EEA photo booth to document your conference experience, check out the authors corner for some great resources, and bid in our live auction!

FILM FESTIVAL

by GreenShortz

Tom Mills of GreenShortz will present a selection of his videos for your entertainment, education and perhaps even amusement. The videos chosen will represent a range of his content from renewable energy to water conservation to recycling videos that make his wife roll her eyes (that is a point of pride). Please join Tom for 45 mins of short green videos sure to provide even the die-hard sustainability educators with a kernel of something new. And yes, he'll be wearing his official green shortz.

AUCTIONS

Friday Silent Auction Closes at 7:00pm

Saturday Silent Auction Closes at 7:00pm

Saturday Live Auction Begins at 7:05pm

PHOTO BOOTH

Open 6:00-8:00PM Saturday evening at the Social Cafe.

HOSPITALITY SUITE

at the Courtyard Marriott Green Room

Opens at 9:00pm Friday and Saturday evenings.

EEA STORE HOURS

Friday	Saturday	Sunday
8:00-9:00	8:00-9:00	8:00-9:00
11:30-1:30	11:30-1:30	12:00-1:00
6:00-8:00	3:15-3:45	
	6:00-8:00	

SPECIAL GROUP MEETINGS

SEEA Leadership Team

Friday 3/3, 12:00-1:00 in Blue Planet
Look for reserved tables during the lunch break.

Project WET Facilitators

Saturday 3/4, 3:15-3:45 in Blue Planet
Calling all Project WET Facilitators! Please join us for our annual Facilitator Council so we can share the latest WET news from the state and national levels. Bring your questions and ideas with you, too.

SEEA Leadership Retreat

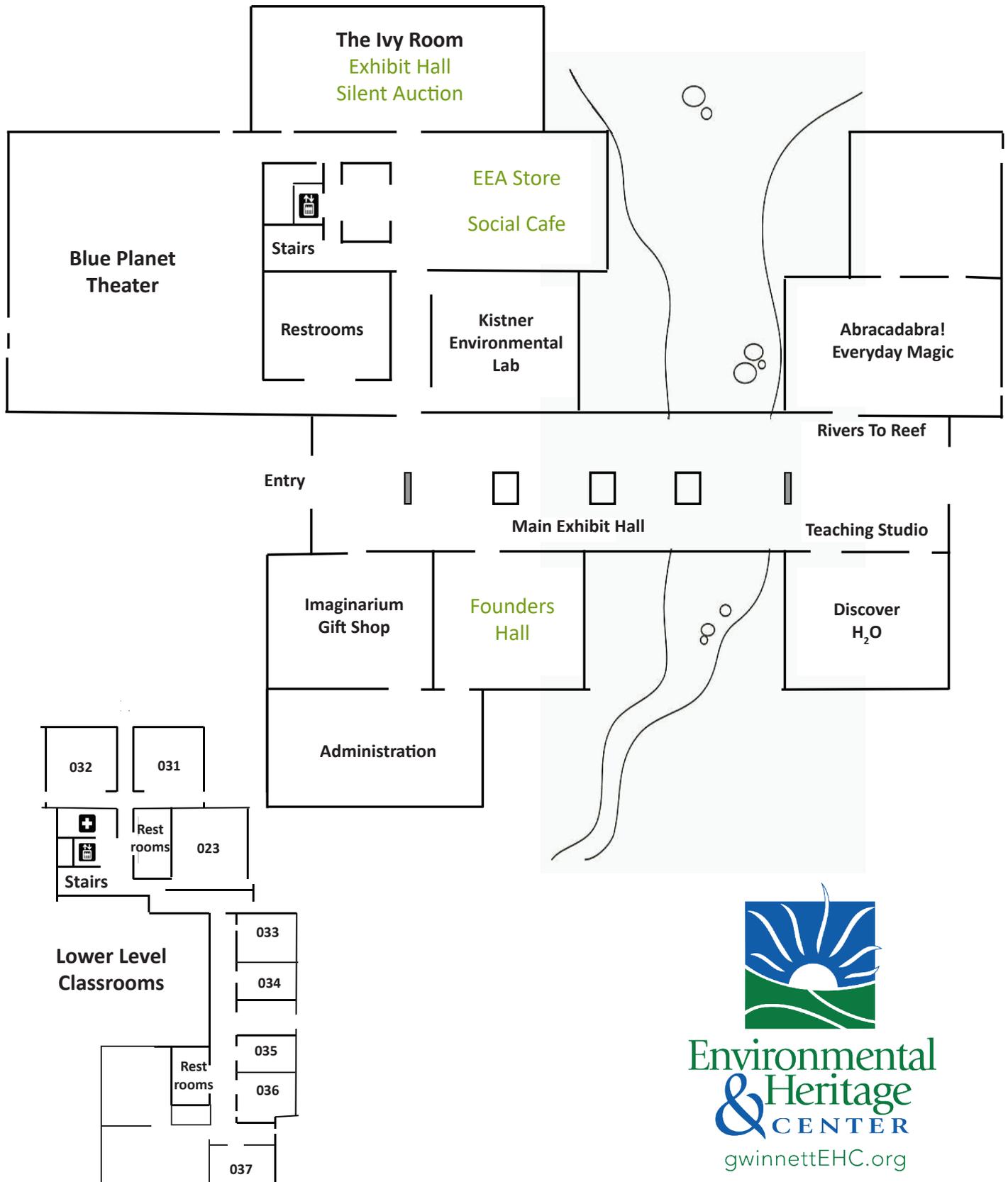
Sunday 3/5, 1:00pm at the Courtyard Marriott Green Room

EXHIBIT HALL

Advanced Training for Environmental Education in Georgia
Body and Brain Center
Council of Outdoor Learning
Dunwoody Nature Center
Environmental Education Alliance of Georgia
The Garden School
Georgia-Alabama Land Trust CE Institute
Georgia EPD - EEinGeorgia
Georgia EPD Project WET
Georgia Forestry Commission
Great Smoky Mountain Institute at Tremont
Leslie University
Mercer University
Monarchs Across Georgia
Montreat College
North Carolina State University
Pettit Environmental Preserve, Inc
Satilla Riverkeeper
Southeastern Environmental Education Alliance
The State Botanical Garden of Georgia
U.S. Forest Service
U.S. National Park Service

FACILITY MAP

Environmental & Heritage Center



Environmental
& Heritage
CENTER
gwinnettEHC.org

FULL SCHEDULE

5th Annual Southeastern EE Alliance (SEEA) Conference



THURSDAY, MARCH 2 - Setup & Early Check In

4:00 - 6:00 Registration
Dinner on your own

FRIDAY, MARCH 3 - RESEARCH SYMPOSIUM, FIELD TRIPS, WORKSHOPS

8:00 - 9:00 Registration & Breakfast
9:00 - 9:20 Opening Remarks: Welcome & Overview of the Day
9:30 - 11:30 AM Research Sessions, Field Trips, Workshops
11:45 - 12:00 Advanced Training for Environmental Education in GA Graduation
12:00 - 1:00 Box Lunch, Buzzard Hike, Research Poster Session & SEEA Leadership Meeting
1:10 - 4:30 PM Research Sessions
1:30 - 4:30 PM Field Trips & Workshops
4:40 - 5:00 SEEA/National Update
5:00 - 5:45 Film Festival by GreenShortz
5:45 - 6:00 Closing Remarks & Preview Day 2
6:00 - 8:30 SEEA Family Game Night (Fun Times, Pizza & Beer, Silent Auction)
9:00 - ? Hospitality Suite at Courtyard Marriott

SATURDAY, MARCH 4 - CONCURRENT SESSIONS

8:00 - 9:00 Registration & Breakfast
9:00 - 9:25 Opening Remarks: Welcome & Overview of the Day
9:25 - 10:30 Keynote: Christopher Uhl - Becoming Fully Human: A 21st Century Hero's Journey
10:45 - 11:30 AM Short Sessions
11:45 - 1:15 Lunch & Awards
1:30 - 3:10 PM Sessions Part 1 (One Long or Two Short Sessions)
3:15 - 3:45 Snack Break, State Affiliate Sharing Session, Project WET Facilitator Meeting
3:45 - 5:25 PM Sessions Part 2 (One Long or Two Short Sessions)
5:35 - 6:00 Closing Remarks, Preview Day 3 & 2018 Conference (EEA & SEEA)
6:00 - 8:30 Sip & Stroll Social
9:00 - ? Hospitality Suite at Courtyard Marriott

SUNDAY, MARCH 5 - FAMILY FUN DAY

7:30 - 8:30 Buzzard Run - 5K FUN RUN and 1-mile FUNNER RUN
8:00 - 9:00 Registration & Breakfast
9:00 - 9:15 Opening Remarks: Welcome & Overview of the Day
9:25 - 12:00 Sessions (One Long or Three Short Sessions)
12:10 - 12:30 Closing Remarks



FRIDAY SCHEDULE

At A Glance



	Blue Planet	Lobby	Founders Hall	023	031	032	033		
8:00	Breakfast	Registration and Check-In							
8:30									
9:00	Opening Remarks: Welcome & Overview								
9:30		All Field Trips Meet in the lobby at assigned times. 9:20 Buford Trout Hatch F. Wayne Hill WRC Green Building Tour 11:45 Lake Lanier Buford Dam	Research Symposium Presentations	Empowering Students through Project Based Learning in the Schoolyard Workshop: Growing Up Wild Waldorf Style	Workshop: TreadLightly! Awareness				
10:00									
10:30									
11:00									
11:30	11-45 ATEEG Graduation								
12:00	Lunch		Research Symposium Poster Session						
12:30	SEEA Leadership Meeting								
1:00									
1:30									
2:00									
2:30									
3:00									
3:30									
4:00									
4:30	4:40 SEEA/National Update								
5:00	Film Festival by GreenShortz								
5:30	Closing Remarks & Saturday Preview								
6:00	Friday Family Game Night								

SATURDAY SCHEDULE

At A Glance



	Blue Planet	Parking Lot	Kistner Lab	Founders Hall	023	031	032	033	035	036	037
8:00											
8:30	Breakfast										
9:00	Opening Remarks										
9:30	Keynote Address										
10:00											
10:45			Geology for Everyone I	EE to Communities of Color	Env. Issues Forum	Building the Profession of EE	Learn From My Mistakes	First Residential Farm School	Teaching About Invasive Species	Systems Thinking	Experiencing Natural Communities
11:00											
11:30											
11:45	Lunch & Awards										
1:15											
1:30					Board Governance 101	Creating Future Conservation	Decatur Housing Authority	Nature Play	Combining 3-D Science	Digging into Dead Stuff	STEAM through Birds
2:00		Teaching with Native Fishes (meet at flagpole)	Geology for Everyone II								
2:15											
2:25					Working Together New Audiences	Media Relations 101	Building Leaders Americorps	Engaging Students Serv. Learn	Adventures in 3-D Science		
3:10	State Affiliate Sharing Session										
3:30											
3:45					Grant Seeking	Brain Education for Educators	Research & Evaluation Partnerships	Storytelling: Imagine, Connect, Inspire	Mapping Your Watershed Online	Multisolving for Climate Change	Lichens Color Our World
4:00				Excellence in EE: Using NAAEE Guidelines							
4:30			Geology for Everyone III		Getting Little Feet WET	EE Activities: Very Popular Plant	Programming Shoestring Budget	Chat with Charlie			
4:40											
5:00											
5:25											
6:00	Sip and Stroll Social										

SUNDAY SCHEDULE

At A Glance



	Blue Planet	Parking Lot	Lobby	Kistner Lab	Founders Hall	023	031	032	033	035	036	037
7:30												
8:00		EHC Trails: Buzzard Run 5K and 1-Mile Funner Run										
8:30	Registration & Breakfast											
9:00	Opening Remarks											
9:25				Butterflies 101		Tree Gong Part 1	Building a Nest Box	The Power of Play		Mockingbird Learning	Laughter Yoga	Forest Intelligence
10:10												
10:20												
11:05	Native Fishes of Georgia	Adopt-A- Stream: A STEM Dream (meet at flagpole)	Buzzard Hike	Monarch Mishaps	Establishing our Living Legacy	Brain Education for Families	Bringing EE Home	Batty About Bats	Fairy Houses	Bubble Wonders	Activities for a Very Popular Planet	
11:15				Butterflies 101		Tree Gong Part 2	Incredible Water Journey			Bubble Wonders	Laughter Yoga	Forest Intelligence
12:00												
12:10	Closing Remarks											

2017 EEA AWARDS

Saturday, March 4, 2017



EEA is proud to recognize the following individuals for their exemplary contributions to environmental education in Georgia:



EUGENE ODUM LIFETIME ACHIEVEMENT AWARD

Theodosia Wade

Oxford College at Emory University
Advanced Training for Environmental Education Certification Advisory Board
Advanced Training for Environmental Education Instructor
Former EEA Board Member



OUTSTANDING SERVICE AWARD

Kim Morris-Zarneke

Charlie Elliot Wildlife Center
Advanced Training for Environmental Education Certification Advisory Board Chair
EEA President 2006-2007

2017 ATEEG GRADUATES

Friday, March 3, 2017



We are proud to announce that the following participants have completed the requirements to earn certification through the Advanced Training for Environmental Education in Georgia Program:

Joanna Gerber

Ann Pierce

Stacy Smith

Ben Marchman

Cherie Santamaria

Upcoming ATEEG Training Dates:

Core Course 2 (Fostering Learning)- March 31-April 2, 2017

To increase understanding of how to implement environmental education programs that foster learning.
Register by March 16, 2017.

Core Course 3 (Assessment and Evaluation)- June 9-11, 2017

To increase participant's skills and knowledge associated with the program evaluation process that includes identifying outcomes, data collection methods, and data analysis. Register by May 25, 2017.



MORNING SESSIONS

9:30-9:55 Don Lane	DIFFERENCES AND SIMILARITIES IN THE METRICS USED TO DETERMINE BENTHIC MACROINVERTEBRATE SCORES IN EIGHT SOUTHEASTERN STATES An introduction as to how Kentucky, Tennessee, Mississippi, Georgia, Florida, North Carolina, and South Carolina determine their respective macroinvertebrate indexes with an emphasis on their respective similarities and differences.
10:00-10:25 Rachel Szczytko	CREATING A NEW MEASURE OF ENVIRONMENTAL LITERACY FOR ADOLESCENTS Researchers at NC State have developed a new, concise measure of environmental literacy for adolescents that is appropriate for both formal and informal settings. Come learn about the scale development process and how it has been utilized in North Carolina schools.
10:30-10:55 Danielle Lawson	INTERGENERATIONAL TRANSFER: CAN THE “TRICKLE-UP” EFFECT OF INFORMATION BE USED TO INCREASE ENVIRONMENTAL LITERACY? While environmental education efforts focused on children invest in our future, reaching adults, while challenging, remains critical as actions today will impact tomorrow. We will review recent research focused on identifying the how to effectively integrate intergenerational transfer in environmental education efforts in order to reach adults as well as children.
11:00-11:55 Johnathan Davis	UTILIZING SNORKELING TO ADDRESS RESEARCH QUESTIONS FOR FISHES IN SOUTHERN APPALACHIA - PART ONE This program discusses the research and educational opportunities provided by snorkeling experiences available in north Georgia and southern Appalachia and presents recent research that utilized snorkeling and visual observation as sampling methods. Additional findings on the imperiled sicklefin redhorse will be discussed.

POSTER SESSIONS (DURING LUNCH)

Chris Kodani	WHICH IS THE MOST ACCURATE PREDICTOR FOR MACROINVERTEBRATE COMMUNITIES: IMPERVIOUS SURFACE VS. STREAMSIDE LAND USE? This study examined the effects of land use type and impervious surface on the macroinvertebrate communities at 20 locations. A watershed's impervious surface area proved to be a more reliable predictor of the stream's macroinvertebrate community than a study site's land use type.
Lauren Johnson	CLIMATE CHANGE EDUCATION AND ENVIRONMENTAL EDUCATION: KNOWLEDGE, BARRIERS, AND PERCEPTIONS AMONG ENVIRONMENTAL EDUCATORS IN THE SOUTHEASTERN UNITED STATES This research focuses on the level of perception, knowledge, and barriers from environmental educators in the Southeastern United States.
Emily Orbison	THE INFLUENCE OF A ZOO SUMMER CAMP EXPERIENCE ON CHILDREN'S ENVIRONMENTAL AND CONSERVATIONAL ATTITUDES The purpose of this study was to determine how an immersive, five-day summer program at a zoo affects children's attitudes about the environment as well as self-efficacy for conservation behaviors. This study used the Children's Attitudes Toward the Environment Scale with seven to nine-year-old participants.



AFTERNOON SESSIONS

<p>1:10-1:30 Andie Bisceglia</p>	<p>UNDERSTANDING STUDENT MINDSET AROUND SUSTAINABILITY AND FOOD INSECURITY AT THE CLARKE MIDDLE SCHOOL GARDEN Edible school gardens have experienced resurgence in popularity nationwide since the 1990s, and have received much attention on their potential as a tool for combatting food insecurity and promoting sustainability. Drawing on a year's worth of mixed-methods research conducted at the Clarke Middle School garden in Athens, GA, this presentation will include a brief overview of their garden program, and then demonstrate our findings on how students think about sustainability and food insecurity in their community and what implications this has for teachers who want to use school gardens as a tool for environmental, social, and economic food system transformation.</p>
<p>1:35-1:55 Erica Linard</p>	<p>CLEMSON WOW PROJECT: SUCCESS AND EFFECTIVENESS OF AN OUTREACH PROGRAM What's in Our Waters (WOW) high school outreach program designed by graduate students at Clemson University has been successfully implemented in a few after school environmental clubs and a local high school AP environmental science course, allowing students to have hands on experience with the scientific method while learning the importance of responsible citizen science. Current research also suggests that this program can alter students' perceptions of science and scientists.</p>
<p>2:00-2:20 Debbie Mitchell</p>	<p>ENVIRONMENTAL ED IN MIDDLE SCHOOL AG: THE WEIRD, THE NASTY, AND THE AWESOME This photo-journal program of middle school students engaging in environmental education during Agriculture Science class will highlight lessons learned by a teacher in her first four years of teaching. There are great lessons in throwing caution to the wind and doing things the "wrong way" first.</p>
<p>2:25-2:45 Holly Denham</p>	<p>THE ENVIRONMENTAL WORLDVIEWS OF NC CERTIFIED ENVIRONMENTAL EDUCATORS Research using one of the most commonly used measures of environmental worldviews, the New Ecological Paradigm Scale; found that the overall group score of North Carolina Certified Environmental Educators showed only slightly above average agreement with the pro-environmental paradigm. Are these educators really ambivalent about the environment or does the diversity of the sample reflect something else?</p>
<p>2:45-2:55 BREAK</p>	
<p>2:55-3:15 Dr. Kris Irwin</p>	<p>TEACHING FUTURE ENVIRONMENTAL EDUCATORS HOW TO CONDUCT A QUANTITATIVE SURVEY: AN EXAMPLE WITH RESULTS Participants will examine the methodology employed by a team of college students to construct, implement, and analyze data collected using an electronic survey. The objective of the survey was to determine teachers' knowledge and attitudes about using an aquaponics recirculating system as a teaching tool.</p>
<p>3:20-3:40 Dr. Gretchen Jones Torbert</p>	<p>DEVELOPING SMARTIST! Participants will examine the methodology employed by a team of college students to construct, implement, and analyze data collected using an electronic survey. The objective of the survey was to determine teachers' knowledge and attitudes about using an aquaponics recirculating system as a teaching tool.</p>
<p>3:45-4:05 Johnathan Davis</p>	<p>UTILIZING SNORKELING TO ADDRESS RESEARCH QUESTIONS FOR FISHES IN SOUTHERN APPALACHIA - PART TWO This program discusses the research and educational opportunities provided by snorkeling experiences available in north Georgia and southern Appalachia and presents recent research that utilized snorkeling and visual observation as sampling methods. Additional findings on the imperiled sicklefin redhorse will be discussed.</p>

AUTHOR'S CORNER & BOOK SIGNING

Saturday 6:30-7:30pm in the Social Cafe



Charles Seabrook

Cumberland Island: Strong Women, Wild Horses

The World of the Salt march: Appreciating and Protecting the Tidal Marshes of the SE Atlanta Coast

Pamela Gore & William Witherspoon

Roadside Geology of Georgia

Don Byerly

The Last Billion Years: A Geologic History of Tennessee

Darrel Schmitz

Roadside Geology of Mississippi

Joe Cook

Chattahoochee River User's Guide

Etowah River User's Guide

Flint River User's Guide

Christopher Uhl

Developing Ecological Consciousness: The End of Separation

Teaching as if Life Matters: The Promise of a New Education Culture

Renee Raney

Calico Ghosts

Leslie Edwards

The Natural Communities of Georgia

Tim Grant

Teaching Green: The Elementary Years

Teaching Green: The Middle Years

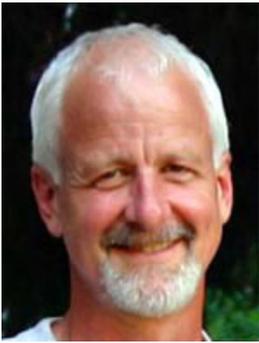
Teaching Green: The High School Years

Teaching about Invasive Species

Teaching about Climate Change: Cool Schools Tackle Global Warming

KEYNOTE ADDRESS

Christopher Uhl, Penn State University



Christopher Uhl, author of *Developing Ecological Consciousness: The End of Separation* and *Teaching As If Life Matters: The Promise of a New Education Culture*, is a professor of Biology at Penn State. In his own words, Uhl explains his philosophy of teaching: “... teaching grows out of my experiences as a learner. Looking back over my learning history, I note that often my true “classrooms” and best “teachers” have shown up in daily life, not in formal education settings... Learning for me has been synonymous with living, a realization congruent with John Dewey’s view that humans learn best by doing!” Chris will also be participating in our Author Corner on Saturday night, signing books and talking to participants about his work and transformative education.

NOTES

IMPORTANT ITEMS OF NOTE

From the Environmental Education Alliance of Georgia



2017-2018 BOARD OF DIRECTORS

EEA is accepting nominations

Each winter, the Environmental Education Alliance of Georgia accepts nominations to the Board of Directors. This open process helps the Nomination Committee accomplish its mission to promote cultural, geographical, and organizational diversity in EEA's leadership.

For Term beginning July 1, 2017, we are specifically seeking chairs/co-chairs for the following committees: **Fundraising, Advanced Training for Environmental Education in Georgia (ATEEG), Monarchs Across Georgia (MAG), Volunteer Management, Regional Director South Ga, Regional Director Central Ga, Regional Director East Ga.**

The application for Board terms beginning July 1, 2017 is now open. You must be a current member of EEA to apply. Visit the Board Nomination page of EEA's website for more information and to submit a nomination. Nominations are due April 15, 2017.

CALL FOR VOLUNTEERS

Volunteering for EEA is a great way to get more involved with the organization that serves Georgia's growing environmental education needs. We have many volunteer opportunities with our different committees, including events, newsletter, social media, and more!

To get started, contact our volunteer coordinator at volunteer@eealliance.org, or complete the online volunteer orientation at www.eealliance.org, under Member Center.

CONFERENCE RESOURCES ONLINE

To better facilitate an eco-friendly event, we will be uploading all session resources online on our website at www.eealliance.org/annual-conference-resources.

PARTICIPANT WAIVER OF LIABILITY

In consideration for the willingness of The Environmental Education Alliance, Inc. ("Organization") to accept the individual reading this notice ("Participant"), as a participant in its programs, and for other good and valuable consideration, the receipt and sufficiency of which are acknowledged, Participant does freely, voluntarily and without duress execute the following Release for and on behalf of him or herself and his or her heirs, successors, beneficiaries and assigns:

- 1. Waiver and Release.** Participant releases, forever discharges, indemnifies, and holds harmless Organization and its directors, officers, employees, volunteers, agents, successors and assigns (collectively the "Released Parties") from any and all liability, claims, demands and causes of action of whatever kind or nature, either in law or in equity, arising out of or relating to Participant's activities at Organization ("Activities"), including but not limited to any claim for any bodily injury, personal injury, illness, death or property damage that may arise out of, occur during or result from the Activities, regardless of whether caused in whole or in part by an act or omission of a Released Party. Participant also understands that, except as otherwise agreed to by a Released Party in writing, the Released Parties do not provide any financial assistance of any kind, including but not limited to medical, health or disability insurance coverage for any participant in Organization's programs.
- 2. Medical Treatment.** Participant releases, forever discharges, indemnifies, and holds harmless the Released Parties from any claim, demand or cause of action whatsoever arising out of or relating to any first aid or medical treatment rendered in connection with the Activities.
- 3. Assumption of the Risk.** Participant understands that the Activities may involve activities that may be hazardous to the Participant and inherently dangerous risks, including but not limited to (a) outdoor activities that may involve physical labor, holding on, standing, sitting, bending, lifting or carrying heavy objects, exposure to dangerous insects, animals or plants, or using tools, including tools that may be dangerous, and that such activities may include (without limitation) hiking, camping, gardening, zip-lining, snorkeling, caving, horseback riding or other such activities; (b) indoor activities that may involve standing, sitting, bending, lifting or carrying heavy objects, such as attending meetings, eating meals, or other such activities; and (c) traveling to and from locations where Organization is performing its services. Participant hereby expressly and specifically assumes the risk of damage, injury, harm or death in connection with any such Activities.
- 4. Transportation Release.** Participant releases, forever discharges, indemnifies and hold harmless the Released Parties from any and all liability, loss, costs or expenses sustained or incurred because (a) Participant was injured, died or sustained property loss or damage while being transported by any of the Released Parties, or (b) because Participant injured another person or damaged the property of another person while being transported by any of the Released Parties. Participant understands that the foregoing transportation release shall not apply to liabilities, losses, costs or expenses caused by, or resulting from, the negligent acts or omissions of any Released Party. Participant agrees to promptly notify Organization within ten (10) days if Participant files any legal action against a Released Party.
- 5. Media Release.** Participant grants and conveys to Organization all right, title and interest in any and all photographic images and video or audio recordings made by or for Organization during Participant's participation in the Activities, including, but not limited to, any royalties, proceeds, or other benefits derived from such photographs or recordings.
- 6. Governing Law.** Participant expressly agrees that this Release is intended to be as broad and inclusive as permitted by the laws of the state of Georgia, and that this Release will be governed by and interpreted in accordance with the laws of the state of Georgia without giving effect to its conflict of laws rules. Participant agrees that in the event that any clause or provision of this Release is held to be invalid by any court of competent jurisdiction, the invalidity of that clause or provision will not affect the remaining provisions of this Release, which will continue to be enforceable. Participant agrees that the sole and exclusive jurisdiction and venue for litigation between Participant and Organization will be a state or federal court having jurisdiction over Fulton County, Georgia.

2017 BUZZARD HIKE

Keep Calm and Carry on



What color plastic balls are in the Discover H2O exhibit?

Which flags fly outside the EHC?

What environmentally-friendly product is used on the walls outside the restrooms located near Blue Planet?

What flowering plant grows on our "green roof"?

Name the item in the Imaginarium gift shop that can be used for transportation:

What does the EHC use to transport excess rain from the roof to the ground?

How many stations are in the Kistner Lab (how many students can sit down at the lab tables)?

Where does the water come from that flows through the water feature between the EHC buildings?

What animal habitat (boxes) are located at the TOP of the EHC water feature?

What animals reside in the pond at the front of the EHC (some are only here in warm weather)?

What carnivorous plant lives in the garden outside the door near classroom 32 and 31?

Name two trails at the EHC:

List two ways that the EHC building meets LEED certification:



SESSION DESCRIPTIONS

5th Annual Southeastern EE Alliance (SEEA) Conference



THREE STRANDS:

-  Practice - Considering Your Educator Identity
-  Profession - Defining EE
-  Partnerships - Developing Engagement, Capacity and Community
-  All Strands Honored

GRADE LEVEL:

- PK** Preschool
- ES** Elementary School
- MS** Middle School
- HS** High School
- HE** Higher Education
- AA** All Ages

FRIDAY ACTIVITIES

AA

RESEARCH SYMPOSIUM - AM PRESENTATIONS

Various Speakers

9:30-11:30
FOUNDERS
HALL

Participants will be attending the second regional research symposium, learning about work occurring across the southeast. Researchers will be sharing both environmental education and environmental science based projects. Join the group and learn about research, methodology, evaluation, and partnerships. Specific presentation descriptions will be coming soon.

PK

WORKSHOP - GROWING UP WILD WALDORF STYLE

Angela Sauve, The Garden School of Marietta (GA)

9:30-4:30
031

Experience Project WILD's Growing Up WILD presented through the lens of the Waldorf School practices of Story and Circle. Participants receive the Growing Up Wild Curriculum and Waldorf resources. BEST practices include engagement of the whole child in outdoor exploration and wonder. **ADDITIONAL COST: \$20**

AA

WORKSHOP - EMPOWERING STUDENTS THROUGH PROJECT-BASED LEARNING IN THE SCHOOLYARD

Rabieh Jamal Hafza, Atlanta Public Schools and Kyla Van Deusen, Captain Planet Foundation (GA)

9:30-4:30
023

PBL is an engaging instructional strategy that integrates EE with learning in STEM fields. Explore ways to implement PBL that give students "voice and choice" in project design while effectively managing productivity. Investigate authentic, real-world projects for each of these standards-based topics: habitat restoration, watershed stewardship, waste reduction, renewable energy, chemical toxicity, healthy food production, and climate change mitigation. Check out resources and rubrics for assessing student work. Learn where to find project supplies, materials and funding. Participants will leave this workshop prepared to facilitate student-directed, project-based learning in the schoolyard.

AA

WORKSHOP - TREADLIGHTLY! AWARENESS

Avery and Casey Chipka, TCH Enterprises (NC)

9:30-11:30
032

Join TreadLightly! Master Tread Trainers to discover ways to integrate Tread Lightly! conservation principles and outdoor ethics in your outdoor activities. The TreadLightly! Awareness workshop provides educators with knowledge based tools and methods for utilizing guidelines for environmental conservation during recreational activities.

AA

FIELD TRIP - F. WAYNE HILL WATER RESOURCES CENTER

Sandy Aceto, Environmental & Heritage Center (GA)

9:30-11:30
LOBBY

On this tour, you will follow the steps of wastewater treatment and see it all; from the grimy, gritty beginnings to the crystal clear water we send back into the environment. Learn how reclaimed water is used around the county and at the GEHC. This tour takes two hours to complete. Please wear closed-toe shoes. This guided tour requires stairs and time outside. The tour is given rain or shine. **Check in at the Conference Center Lobby at 9:20.**

AA

FIELD TRIP - GREEN BUILDING GUIDED GROUP TOUR

Nathan Griswell, Environmental & Heritage Center (GA)

9:30-11:30
LOBBY

The EHC is an educational facility that teaches the community about the importance of being good stewards of the environment, as well as its cultural heritage. The building serves as a model for green architecture by using eco-friendly building products. Take a tour of the inside and outside of the GEHC, discuss green building practices, and explore our multi-surfaced trail system (weather permitting). **Check in at the Conference Center Lobby at 9:20.**

AA

FIELD TRIP - BUFORD TROUT HATCHERY TOUR

Pat Markey, GA Dept. of Natural Resources (GA)

10-11

LOBBY

The Buford Trout Hatchery rears brown trout (*Salmo trutta*) and rainbow trout (*Oncorhynchus mykiss*) for the Georgia Wildlife Resources Division's stockable and fingerling trout programs. Participants will tour the facility, learn about the program to stock Georgia's public waters, and walk along the hatchery nature and bird trail. Located on the banks of the Chattahoochee River just downstream of Lake Lanier and Buford Dam, the hatchery's proximity to the river draws large numbers of transient and breeding song birds. Participants are responsible for transportation from the conference center to the hatchery, approximately 10 miles. **Check in (directions and carpool assistance) at Conference Center Lobby at 9:20.** If you'd like, picnic lunch at nearby West Bank Park after the tour.

AA

RESEARCH SYMPOSIUM - POSTER SESSION

Various Speakers

12-1

FOUNDERS
HALL

Visit with researchers during lunch to learn about work occurring across the southeast. Researchers will be sharing both EE and environmental science based projects.

AA

RESEARCH SYMPOSIUM - PM PRESENTATIONS

Various Speakers

1:10-4:30

FOUNDERS
HALL

Participants will be attending the second regional research symposium, learning about work occurring across the southeast. Researchers will be sharing both EE and environmental science based projects.

AA

WORKSHOP - PROJECT LEARNING TREE SOUTHEASTERN FORESTS AND CLIMATE CHANGE AND FOCUS ON FORESTS SECONDARY MODULES WORKSHOP AND CERTIFICATION

Jennifer Hubbard-Sánchez, Kentucky State University & Renee Strnad, NC State University (KY & NC)

1:30-4:30

033

Participants will experience activities from Focus on Forests and the new Southeastern Forests and Climate Change modules, become more familiar with these resources, learn about ties to NGSS, and find out how southeastern states are supplementing modules with information on their local forests. All participants will receive copies of the Southeastern Forests and Climate Change module, samples of the KY and TN supplemental documents, and certification as PLT secondary educators.

AA

FIELD TRIP - LAKE LANIER AQUATIC STUDY

Staff, Elachee Nature Center & Chattahoochee Riverkeeper (GA)

1:30-4:30

LOBBY

Lake Lanier is the most visited lake in Georgia. It provides drinking water to almost half of Georgia's residents and recreational and sporting opportunities to many people. In addition, over 200 species of birds, dozens of game fish, and a variety of mammals call this lake home. This important resource is also at the center of a dispute between three states that depend on its water and that of the Chattahoochee River system. Participants will explore the lake and learn about this model program aboard the Chota Princess, a floating classroom provided by Chattahoochee Riverkeeper. Participants are responsible for transportation from the conference center to the Aqualand Marina, approximately 15 miles. **Check in (directions and carpool assistance) at Conference Center Lobby at 9:20. If leaving from the Conference Center meet in the Lobby at 11:45.**

AA

WORKSHOP - LEAVE NO TRACE AWARENESS

Avery & Casey Chipka, TCH Enterprises (NC)

2:30-4:30

032

Join Leave No Trace Master Educators to discover ways to integrate Leave No Trace principles and outdoor ethics in your outdoor activities. This is an all ages workshop and special information will be provided for working with youth. Participants receive introductory training in the skills and ethics of Leave No Trace. Workshop topics include the underlying concept of minimum impact recreation and the Seven Principles of Leave No Trace.

AA

FIELD TRIP - BUFORD DAM POWERHOUSE TOUR

Staff, U.S. Army Corps of Engineers (GA)

1:30-3:30

LOBBY

More than 50 years ago, workers blasted through a mountain of granite rock to create Buford Dam, a 200-foot structure on Lake Lanier at the mouth of the Chattahoochee River. Buford Dam, a hydropower facility, takes in water, pipes the water to the turbines, then the water turns the turbine on the generators. The generators make the power and that power is put out on the grid. The group will learn about the history, purpose and challenges of the lake and well as tour the powerhouse and learn about energy generation. Participants are responsible for transportation from the conference center to the dam, approximately 10 miles. **Check in (directions and carpool assistance) at Conference Center Lobby at 9:20. If leaving from the Conference Center meet in the Lobby at 11:45.**

HE

LEARN FROM MY MISTAKES: USING A DIALECTICAL APPROACH TO TRAIN OUTDOOR EDUCATORS

Brad Daniel (NC)

10:45 - 11:30
032

During our time together, we will focus on mistakes commonly made while teaching in outdoor settings and how to correct them. The workshop will use skits, reflection, and discussion. It will benefit novice environmental educators and those who train them.

AA

BUILDING THE PROFESSION OF EE THROUGH STATE-LEVEL CERTIFICATION

Kim Morris -Zarneke (GA), Wesley Bullock (KY) & Renee Strand (NC)

10:45 - 11:30
031

Building capacity for environmental education is important for environmental education to happen. But how do you achieve that? In this presentation, representatives from Georgia, Kentucky and North Carolina will share their state certification programs and discuss the impact of certification as a professional development tool.

HE

ENVIRONMENTAL ISSUES FORUM

Melinda Wilder, Eastern Kentucky University (KY)

10:45 - 11:30
023

Students enrolled in an environmental issues course at Eastern Kentucky University participated in and then led the Environmental Issues Forum, Climate Choices. Students took a pre and post-survey that included questions related to climate change, environmental attitudes and behaviors, and reactions to participating in this forum.

AA

FIRST RESIDENTIAL FARM SCHOOL IN THE SOUTHEAST AT MCDOWELL!

Maggie Johnston, McDowell Environmental Education Programs (AL)

10:45 - 11:30
033

Housed on a 1,140 acre property in northern Alabama, McDowell Farm School (MFS) is the first residential farm school in the southeast. This session will introduce educators to the gardens, kitchens, barns and animals of MFS. Connect to the natural world through the foods you eat!

HS

TEACHING ABOUT INVASIVE SPECIES

Tim Grant, Green Teacher (Ontario)

10:45 - 11:30
035

Invasive species represent the second greatest threat to global biodiversity – after habitat loss. This session will first introduce participants to the challenges of engaging young people with the topic of invasive species. Then we'll explore 11 programs and 20 hands-on activities that exemplary educators from across North America have used with great success, and take the time to try a few activities. As serious as the challenges posed by invasive species are, this presentation will leave participants energized and equipped with education strategies that will make a difference.

AA

SYSTEMS THINKING WITH YOUR SCIENCE LESSONS

Tracey Ritchie, University of Florida (FL)

10:45 - 11:30
036

Come learn how to incorporate systems thinking into your science lessons! Example lessons will be provided. This session will help educators and students see systems and begin to think differently as they answer questions about interacting variables, relationships that change over time, and direct and indirect impacts.

AA

EXPERIENCING NATURAL COMMUNITIES AND ECOREGIONS

Leslie Edwards, Independent Author/Ecologist & Cindy Reittinger, Fernbank Science Center (GA)

10:45 - 11:30
037

Learn about natural communities, from forests to outcrops, and ecoregions from the Coastal Plain to the Cumberland Plateau, and how a partnership enables teachers to travel among them, enriching their understanding of the habitats of the southeastern United States.

AA

DELIVERING ENVIRONMENTAL EDUCATION TO COMMUNITIES OF COLOR

Darryl Haddock, West Atlanta Watershed Alliance (GA)

10:45 - 11:30
FOUNDERS
HALL

WAWA programs focus on youth leadership and community development. We are intentionally targeting inter-generational audiences in place based K-Grey EE and service learning. We will summarize recent programs and efforts to build environmental literacy and community capacity through environmental action projects.

AA

GEOLOGY FOR EVERYONE I: VALLEY AND RIDGE, PLATEAU, INTERIOR

Bill Witherspoon, georgiarocks.us (GA) & Don Byerly, University of Tennessee (TN)

10:45 - 11:30
LAB

Authors of geology guides for the public take you to favorite destinations that illuminate Earth history. Sedimentary rock layers of the Paleozoic Era (541-252 million years ago) trace life before dinosaurs and underlie TN-KY-GA-AL ridges, valleys, plateaus, and basins.

SATURDAY ACTIVITIES

PM SHORT SESSIONS A (1:30-2:15)

AA

PARTNERING WITH DECATUR HOUSING AUTHORITY TO BRING GARDENING, COOKING, AND NUTRITION PROGRAMS TO LOW-INCOME RESIDENTS

Sarah Dasher & Allison Ericson, Wylde Center (GA)

1:30 - 2:15
032

Learn how Wylde Center partners with the Decatur Housing Authority, bringing gardening and healthy-living programming to under-served youth and senior citizen populations, and how programming grew from using offsite gardens to the establishment of two gardens at the housing complex. Learn about how the partnership started, the co-benefits for each entity, and the lessons we have learned.

MS

CREATING FUTURE CONSERVATIONISTS THROUGH COMMUNITY, CARING, & CURRICULUM

Melanie & Monty Hartfield, Impact Academy (GA)

1:30 - 2:15
031

Have you ever wondered how to fit in every standard in the curriculum during the year and engage your students too? Come learn how to incorporate standards from all subject areas into engaging, outdoor lessons your students will love.

AA

BOARD GOVERNANCE 101

Ashley Hoffman, Kentucky Association for Environmental Education (KY speaker)

1:30 - 2:15
023

Working with a nonprofit? Learn the basics of board governance including: board composition, relationships between volunteer boards and paid staff, board responsibilities, and board effectiveness.

AA

NATURE PLAY – STUDENTS DEFINE THEIR FUTURE PLAY ZONES

Liz Cole, GreenbergFarrow (GA speaker)

1:30 - 2:15
033

The collaboration of students, artists, designers, staff and elected officials is leading to the creation of outdoor spaces that incorporate natural play elements. Experience the journey of what happens when students are encouraged to express their play zone ideas through drawings that are then transformed into the programming and design of natural play facilities.

AA

COMBINING 3-D SCIENCE WITH OUTDOOR LEARNING: A MATCH THAT'S MEANT TO BE

Captain Planet Foundation & Georgia Science Teachers Association (GA)

1:30 - 2:15
035

Explore exciting new standards adopted in several southeastern states. Discover "3-Dimensional Science" and how this approach can engage students in making sense of natural phenomena, investigating science concepts outdoors, project based learning, and engineering solutions to environmental problems. This session, intended for both K-12 teachers and non-formal educators, will focus on the conceptual shifts of "3-Dimensional Science" relevant to environmental ed. A second session from 2:30 – 3:30 will provide an opportunity to try out hands-on learning experiences for various grade levels.

SATURDAY ACTIVITIES

PM SHORT SESSIONS B (2:25-3:10)

HS

BUILDING LEADERS & BRANDING ENVIRONMENTAL EDUCATION THROUGH AMERICORPS

Nicole Pinnell Thomas, Georgia Sea Turtle Center (GA)

2:25-3:10
032

Professional development is essential for building strong leaders in environmental education. Discover how the Georgia Sea Turtle Center is promoting EE through brand identity, research, professional association, and the mentorship of AmeriCorps service members.

AA

MEDIA RELATIONS 101

Dottie Head, Atlanta Audubon Society (GA)

2:25-3:10
031

In this session, we'll discuss the basics of building a successful media relations program. Topics to be covered will include how to write a press release, how to develop a successful media list, and how to respond to media inquiries. We'll also take a quick look at how to use social media to promote your organization and events, recognizing that we all have limited time and resources to devote to these efforts.

[More PM Short Sessions on next page](#)

SATURDAY ACTIVITIES

PM SHORT SESSIONS B (2:25-3:10)

AA

WORKING TOGETHER TO FIND NEW AUDIENCES

Beth Cranford, North Carolina Museum of Natural Sciences (NC)

2:25-3:10
023

Are you looking for ways to reach new audiences and advertise your site or programs for free? Take a Child Outside is a web-based movement working to connect families and other groups with natural spaces in their area. Take a Child Outside week is an international, annual event held September 24-30 that is coordinated by the North Carolina Museum of Natural Sciences. Partnership is free and open to any interested organizations. This web resource also includes simple outdoor activities for children of all ages. We will share ideas and resources for these as well to help you optimize your programs with limited resources.

HS

ENGAGING STUDENTS IN ENVIRONMENTAL SERVICE-LEARNING TOWARD SUSTAINABILITY

Sarah Davis, Florida Gulf Coast University (FL)

2:25-3:10
033

Engage students in meaningful service-learning that benefits the students, agency and meets course objectives. Come share your experiences and learn about the opportunities created at Florida Gulf Coast University in their University Colloquium: A Sustainable Future course.

AA

ADVENTURES IN 3-D SCIENCE

Georgia Science Teachers Association & Captain Planet Foundation (GA)

2:25-3:10
035

Try out hands-on activities that introduce some of the science and engineering practices, crosscutting concepts, and core ideas of a "3-Dimensional Science" approach. This session is intended for K-12 teachers and non-formal educators. It is strongly recommended that participants attend the 1:30 session.

SATURDAY ACTIVITIES

PM LONG SESSIONS (1:30-3:10)

AA

DIGGING INTO DEAD STUFF

Jerry Hightower, United States National Park Service (GA)

1:30-3:10
036

Teachers will focus on the role of the FBI (fungi, bacteria, and invertebrates) in recycling nutrients back into the environment as they discover the hidden excitement on and within a decomposing log. Dissect, record, sketch, and catch some of the many fascinating organisms, from carnivorous arthropods and fungi to herbivorous isopods and insects. Care and respect for living organisms will be stressed. All materials will be returned to the collection site.

AA

TEACHING WITH NATIVE FISHES

Michael Wolfe, N. American Native Fishes Assoc. & Kathy Reed, Keep N. Fulton Beautiful (GA)

1:30-3:10
PARKING
LOT

This is an outdoor, hands-on session focused on native fishes and their adaptations to their environment. Participants will have the opportunity to observe and discuss different habitats and the fishes that are found there. We will demonstrate collecting techniques and observation tools including aquaria. We will also identify the fishes observed to the genus and species level. Individual highlights of the species will be identified as well as giving an overview of how body shape, mouth, coloration, and reproduction vary among the species encountered and more broadly among native species.
Meet at the flagpole in the parking lot.

AA

CONNECTING STUDENTS WITH STEAM THROUGH BIRDS

Melanie Furr, Atlanta Audubon Society (GA)

1:30-3:10
037

This session will train classroom teachers and environmental educators how to use the study of birds and their conservation to engage students in science, technology, and other subjects, as well as how to get started in citizen science. Participants will learn how to identify several common birds of Georgia and some of their unique natural history, as well as how to identify new and unfamiliar birds.

AA

GEOLOGY FOR EVERYONE II: PIEDMONT AND BLUE RIDGE

Bill Witherspoon, geogiarocks.us (GA), Pamela Gore, Georgia State University (GA) & Don Byerly, University of Tennessee (TN)

1:30-3:10
LAB

Within the last decade, new books introducing the geology of a state to the general public have appeared in Alabama, Florida, the Carolinas, Georgia, and Tennessee. This second of three sessions seeks cross-fertilization between contents of these books in reaching attendees from throughout the region. In this session, authors will highlight popular natural destinations and other sites in each state to get at the essence of the wild, rugged Blue Ridge and the populous Piedmont of NC-SC-TN-GA-AL. This is an area with many ore and gem deposits, as well as a plate tectonic history of bringing together pieces of territory once scattered across an ocean as expansive as today's Pacific.

SATURDAY ACTIVITIES

PM SHORT SESSIONS C (3:45-4:30)

MS

CREATING RESEARCH & EVALUATION PARTNERSHIPS WITH HIGHER EDUCATION

Rachel Szczytko, North Carolina State University (NC)

3:45-4:30
032

Muddy Sneakers and NC State University have initiated a research & evaluation partnership which could serve as a model for other EE organizations wanting to promote practice that is informed by research. Learn more about how the partnership started, the co-benefits for each entity, and the lessons we have learned.

AA

BRAIN EDUCATION (BE) FOR EDUCATORS

Penny Costanzo, Body and Brain Center (GA)

3:45-4:30
031

To feel our connection with nature, we must first be able to be in the present moment, to connect with and feel our selves.

BE develops the full potential of the brain, eliminates stress, and enlivens total brain function. BE integrates the mind and body through physical and mental exercises that use relaxed concentration and imagination. Educators will engage in gentle and fun samples of physical, mental, and cognitive exercises designed to improve sensory awareness, motor control, regulation, attention and imagination. You will feel great and come away with some techniques to help you and your students relax, be in the present, and feel nature...even inside.

AA

GRANTSEEKING FOR ENVIRONMENTAL PROGRAMS

Rochelle Dennis, Beak Consulting (GA)

3:45-4:30
023

This session is designed to provide basic information and skills in grant writing, with an emphasis on prospecting tips to help identify foundations, corporation and government grant programs, and how to approach different kinds of grant makers. Participants will learn how to avoid common mistakes applicants make, and develop realistic objectives, activities and budgets.

AA

STORYTELLING: IMAGINE, CONNECT & INSPIRE!

Renee Raney, Georgia-Alabama Land Trust CE Institute (AL)

3:45-4:30
033

Storytelling is a powerful educational technique that allows the teller to teach by guiding the listener's experience. Storytelling is an intimate connection between an interpreter and an audience that inspires imagination, creativity and learning. In this session, participants will listen, tell, and experience several storytelling techniques that can be utilized to enhance curriculum in classrooms and interpretive programs.

SATURDAY ACTIVITIES

PM SHORT SESSIONS D (4:40-5:25)

AA

PROGRAMMING ON A SHOESTRING BUDGET

Jackie Sherry, Dunwoody Nature Center & Hannah Penn, Stone Mountain Park (GA)

4:40-5:25
032

Developing programs with a limited budget can be a daunting and scary task. Join us as we use tricks and tools to overcome this obstacle. We'll describe how to use minimal materials, create signage, discover your audience, and network.

AA

EE ACTIVITIES FOR A VERY POPULAR PLANET

Lauren Johnson, Oxbow Meadows Environmental Learning Center (GA)

4:40-5:25
031

Discover lively, interdisciplinary activities that help elementary students understand the human ecological footprint and the challenges of sharing finite resources as our population grows. Build math, literacy and critical thinking skills while fostering global and civic awareness.

AA

GETTING LITTLE FEET WET: EARLY CHILDHOOD GUIDE FOR WATER EDUCATION

Jo Adang & Monica Kilpatrick, Georgia Project WET (GA)

4:40-5:25
023

Come play and learn with Georgia Project WET as only your inner child can! We will be showcasing our new curriculum for our youngest learners and having a fun time too.

AA

CHAT WITH CHARLIE

Charlie Seabrook, Author (GA)

4:40-5:25
033

Join our good friend and author Charles Seabrook for a conversation on his approach to writing about science, nature, and conservation.

SATURDAY ACTIVITIES

PM LONG SESSIONS (3:45-5:25)

AA

MAPPING YOUR WATERSHED ONLINE

Chris Kodani, Clayton State University (GA)

3:45-5:25
035

Learn what a watershed is, and how it can be easily and quickly mapped using ArcGIS Online. Participants can bring a web-enabled device, such as a laptop or a tablet to create a basic map showing their sampling site, and then we can combine these maps into a large, interactive watershed map that will contain everybody's watershed.

AA

MULTISOLVING FOR CLIMATE CHANGE

Coleen O'Connell, Lesley University (MA)

3:45-5:25
036

The future requires that we become system thinkers and thus system solvers. This workshop will engage you as a system thinker and a hands-on experience of multi-solving. Multi-solving (v.): Searching for systemic solutions that protect the climate while improving health, equity and well-being. This emerging concept from Climate Interactive gives us a framework for working holistically to address issues while solving for climate change at the same time. Teach your students how to be multi-solvers using a framework that can help them plan and evaluate projects.

AA

LICHENS COLOR OUR WORLD

Malcolm Hodges, The Nature Conservancy (GA)

3:45-5:25
037

Lichens are an underappreciated but fascinating slice of our native biodiversity. This talk will lead to a better understanding of what lichens are, the breadth of lichen diversity, where they live, how they survive, and the roles they play in nature.

AA

EXCELLENCE IN ENVIRONMENTAL EDUCATION: USING THE NAAEE GUIDELINES

Renee Strnad, North Carolina State University (NC)

3:45-5:25
FOUNDERS
HALL

How can we maintain solid EE programs at our facilities? How do I know if the activity I have written meets our environmental literacy goals and is age appropriate? The Guidelines, that's how! This session will introduce participants to the Guidelines for Excellence in EE with hands-on activities and discussion.

AA

GEOLOGY FOR EVERYONE III: COASTAL PLAIN

Bill Witherspoon, geogiarocks.us (GA), Pamela Gore, Georgia State University (GA), Don Byerly, University of Tennessee (TN) & Darrel Schmitz, Mississippi State University (MS)

3:45-5:25
LAB

Every Southeast state contains some Coastal Plain sediments, blanketing eroded older rocks and thickening from the Fall Line to the Gulf and Atlantic shorelines. In this third of three sessions, authors will highlight popular natural destinations and other sites in each state to get at the essence of the Coastal Plain, which, despite the name, extends up the Mississippi Valley through western Tennessee and a corner of Kentucky as well as taking in all of Florida and around half the territory in the remainder of states in the Southeast.

SUNDAY ACTIVITIES

AM SHORT SESSIONS A (9:25-10:10)

AA

THE POWER OF PLAY

Cora Keber, The State Botanical Garden of Georgia (GA)

9:25 - 10:10
032

"You can discover more about a person in one hour of play than you can in one year of conversation." --Plato

Spend this time with Cora and PLAY! She will engage in a variety of ways to incorporate play into your lessons. Whether it be through song, theater, story time or puppetry these entertainment strategies can engage the imagination to places outside of the four walls and into a place of magic.

AA

BUILD A NEST BOX

Linda May, Georgia Dept. of Natural Resources (GA)

9:25 - 10:10
031

A nesting box can connect your family to the wild families in your yard. Observing a pair of brown-headed nuthatches gathering fluff and moss, making endless trips with insect and seed, to the day of fledging, you'll experience the joy of watching birds raise young from start to finish. Learn the Do's and Don'ts of bird houses, and build a nest box to take home and provide a safe nesting place for one of the few birds who use tools to find their food- the Brown-headed Nuthatch!

AA

LAUGHTER YOGA

Deborah Summerville, Independent Instructor (GA)

9:25 - 10:10
036

Get your endorphins boosted and join Deborah Summerville, naturalist and certified laughter yoga instructor, for a casual hike and intro to laughter yoga. Laughter yoga is a practice first started in public parks and combines deep breathing, laughter exercise, and pure playfulness. We'll hike a bit and have a ball.

SUNDAY ACTIVITIES

AM SHORT SESSIONS A (9:25-10:10)

AA

9:25 - 10:10
023

TREE GONG - PART ONE

Neil Norton, TreeInspection.com (GA)

Neil discovered Qigong 20 years ago and has been avid practitioner and teacher since. Qigong focuses on the language and grace of our body to gather information about ourselves and surroundings to create balance. During the session Neil will demonstrate very basic moves to interface with nature and its beauty, which promotes both balance and personal energy management.

AA

9:25-10:10
LAB

BUTTERFLIES 101 - THREE FUN ACTIVITIES FOR ALL AGES

Amy Whitney & Sharon McCullough, Monarchs Across Georgia (GA)

Who Am I?: *Learn to identify 15 butterflies and moths that are common in Georgia.*

Metamorphosis: *Be amazed as one member of the audience transforms into a Monarch.*

Paper Plate Life Cycle: *Create the life cycle of a butterfly using pasta shapes.*

ES

9:25 - 10:10
035

MOCKINGBIRD LEARNING – AWAKENING THE LESSON WITH SOUND

Mike Kahle & Robert Bourne, Cobb County Water System (GA)

You don't have to be a musician to incorporate music into learning. Attend this session and let's put this idea to practice. Centering our attention on the sounds around us can open up a world of emotion and expression with which we can make connections. We'll start with a round table of ideas and move into experimenting with some traditional type instruments, while making some natural material sound objects and noise makers to practice call-and-response and mimicry, as we follow whatever creative direction this environmental jam session takes us. No talent required.

ES

9:25 - 10:10
037

FOREST INTELLIGENCE

Kathryn Kolb, EcoAddendum (GA)

"The Standing Peoples" is what Native Americans called trees, and that term may be more accurate than we've known. Eco-A Director Kathryn Kolb shares some of the latest scientific research on the intelligence of trees and plants and how they interact with each other. As we learn more about the extraordinarily complex relationships between trees, plants and the host of other organisms that make up a healthy forest, we begin to realize two important concepts 1) it takes a forest to raise a tree, and 2) trees and plants may be operating in more "conscious" ways than we've realized.

AA

9:25 - 10:10
LOBBY

BUZZARD HIKE

On your own!

Named for our favorite raptor, the Turkey Vulture, the Environmental Education Alliance of Georgia develops a site specific hike each year as part of our conference. Keep an eye out and you might see our buzzard roaming around.

SUNDAY ACTIVITIES

AM SHORT SESSIONS B (10:30-11:05)

AA

10:20-11:05
LAB

MONARCH MISHAPS: A GAME OF SURVIVAL

Amy Whitney & Sharon McCullough, Monarchs Across Georgia (GA)

Birds, cars, predators and parasitoids...it isn't easy being a Monarch! Will you survive the perils? Or will you be one of those "limiting factors" that affect the Monarch population? Come role play with us!

ES

10:20-11:05
035

BUBBLE WONDERS

Mary Winder, Autrey Mill Nature Preserve and Heritage Center (GA)

Join us to learn about how animals use bubbles as a tool for survival- hunting, reproducing, traveling, and sheltering. We will be making giant bubbles and observing the physical properties of a bubble.

ES

10:20-11:05
031

BRINGING ENVIRONMENTAL EDUCATION HOME

Olivia, Carter & Jim Ries, One More Generation (GA)

The UN recently published a report stating that plastic pollution is now one of the biggest environmental threats facing humans and animals globally. Our award winning program has been designed to empower youth with the knowledge and tools they need to be the teacher in their home and encouraging them to get involved with solutions to issues such as plastic pollution.

SUNDAY ACTIVITIES

AM SHORT SESSIONS B (10:30-11:05)

AA

ACTIVITIES FOR A VERY POPULAR PLANET

Lauren Johnson, Oxbow Meadows Environmental Learning Center (GA)

10:20-11:05
036

Participate in lively, interdisciplinary activities that help elementary students understand the human ecological footprint and the challenges of sharing finite resources as our population grows.

AA

BRAIN EDUCATION (BE) FOR FAMILIES

Penny Costanzo, Body and Brain Center (GA)

10:20-11:05
023

Develop the full potential of the brain, eliminate stress, and enliven total brain function by integrating the mind and body through physical and mental exercises that use relaxed concentration and imagination. Adults and children will engage in gentle and fun samples of physical, mental, and cognitive exercises designed to improve sensory awareness, motor control, regulation, attention and imagination.

AA

BUZZARD HIKE

On your own!

10:20-11:05
LOBBY

Named for our favorite raptor, the Turkey Vulture, the Environmental Education Alliance of Georgia develops a site specific hike each year as part of our conference. Keep an eye out and you might see our buzzard roaming around.

SUNDAY ACTIVITIES

AM SHORT SESSIONS C (11:15-12:00)

ES

TAKE AN INCREDIBLE WATER JOURNEY

Jo Adang and Monica Kilpatrick, Georgia Project WET (GA)

11:15-12
031

Participants will be transformed into water drops and journey around the planet, learning about the dynamic movement of water as it travels a variety of paths. Participants learn water cycle vocabulary and gain an improved understanding of the water cycle.

AA

LAUGHTER YOGA

Deborah Summerville, Independent Instructor (GA)

11:15-12
036

Get your endorphins boosted and join Deborah Summerville, naturalist and certified laughter yoga instructor, for a casual hike and intro to laughter yoga. Laughter yoga is a practice first started in public parks and combines deep breathing, laughter exercise, and pure playfulness. We'll hike a bit and have a ball.

AA

TREE GONG - PART TWO

Neil Norton, TreeInspection.com (GA)

11:15-12
023

During the session Neil uses Qigong to "feel" photosynthesis and calls this practice Tree Gong. Children are naturals at Tree Gong. Join Neil and learn how to connect, learn, and have fun in the outdoors.

AA

BUTTERFLIES 101 - THREE FUN ACTIVITIES FOR ALL AGES

Amy Whitney & Sharon McCullough, Monarchs Across Georgia (GA)

11:15-12
LAB

Who Am I?: Learn to identify 15 butterflies and moths that are common in Georgia.
Metamorphosis: Be amazed as one member of the audience transforms into a Monarch.
Paper Plate Life Cycle: Create the life cycle of a butterfly using pasta shapes.

ES

BUBBLE WONDERS

Mary Winder, Autrey Mill Nature Preserve and Heritage Center (GA)

11:15-12
035

Join us to learn about how animals use bubbles as a tool for survival- hunting, reproducing, traveling, and sheltering. We will be making giant bubbles and observing the physical properties of a bubble.

ES

FOREST INTELLIGENCE

Kathryn Kolb, EcoAddendum (GA)

11:15-12
037

"The Standing Peoples" is what Native Americans called trees, and that term may be more accurate than we've known. Eco-A Director Kathryn Kolb shares some of the latest scientific research on the intelligence of trees and plants and how they interact with each other. As we learn more about the extraordinarily complex relationships between trees, plants and the host of other organisms that make up a healthy forest, we begin to realize two important concepts 1) it takes a forest to raise a tree, and 2) trees and plants may be operating in more "conscious" ways than we've realized.

AA

BUZZARD HIKE

On your own!

11:15-12
LOBBY

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ES

ADOPT A STREAM (AAS): A STEM DREAM

Karen Stanfield, Cowan Road Elementary School & Alexa Robinson, City of Griffin (GA)

10:20 - 12
PARKING
LOT

Learn how AAS program can become an exciting outdoor STEM project for youth. AAS water quality monitoring teaches ecosystems, chemical/physical properties and changes in matter, microorganisms, invertebrate studies, data collection, and more. Join us to learn how this real world, hands on experience will engage learners in meaningful projects that help develop a deeper understanding and love of nature and respect for the world. **Meet at the flagpole in the parking lot.**

AA

NATIVE FISHES OF GEORGIA

Amos Tuck, Limestone Valley RC&D, Harold Harbert, Georgia EPD & Robert Bourne, Cobb County Water System (GA)

10:20 - 12
BLUE
PLANET

Explore a nearby stream and see what fishes are found - maybe a brook lamprey or a Alabama hogsucker!! This is an outdoor, hands-on session focused on native fishes and their adaptations to their environment. Participants will have the opportunity to observe and discuss different habitats and the fishes that are found there. We will demonstrate collecting techniques and observation tools. **Meet in Blue Planet then head out to the stream!**

AA

BUILDING NATURE OBSERVATION SKILLS THROUGH FAIRY HOUSES

Renee Raney, Georgia-Alabama Land Trust CE Institute (AL)

10:20 - 12
033

Learning flows easily as participants listen to trees to create micro-habitats for tiny magical beings. They begin to notice the moss, lichens, tree bark, and tiny creatures that creep and crawl. Through fairy house construction, students find a new and everlasting link to the natural world.

AA

BATTY ABOUT BATS

Vicky Beckham Smith, A-Z Animals & Norma Lewis, Cochran Mill Nature Center (GA)

10:20-12
032

Come face to face with live bats as we explore their ecological importance, micro/mega bat differences, bat adaptations, and conservation issues. Make-and-take crafts will be available and presenters will give a list of activities, patterns, and resources.

AA

ESTABLISHING OUR LIVING LEGACY - A CELEBRATION OF LIFE

Robby Astrove, Davidson-Arabia Mountain Nature Preserve (GA)

10:20-12
FOUNDERS
HALL

Help us install trees to create a new grove for our Memorial Forest. No experience needed. We'll walk you through the process for how to correctly plant and care for trees. Tools and gloves provided.

SEEA attendees will receive a 40% discount from regular admission at Treetop Quest for morning reservations on March 19th 2017. Last day to buy tickets: March 5th!

Go to www.treetopquest.com and use the promo code: **SEEA2017**

To reserve:

- The code is only valid for March 19th at 10am at our Gwinnett location. When 10am is full, 10:30 and 11am will open for booking. Afternoon reservations are subject to full price admission.

Check-in:

- To save a bit of time at check in, sign waivers through the website in advance.
- Check in is directly at the park. Please plan to arrive 15 minutes in advance.

Course requirements:

- Closed toe shoes are required, tennis shoes are best. Comfortable clothing is recommended!
- Kids 4-6 years old require on-ground parent/adult supervision for the duration of the activity. Parents remaining on-ground are not required to buy tickets.
- The weight limit for the courses is 250 lbs and everyone 12 and older is weighed upon check in.

Call us at 404-277-6113 or email gwinnett@treetopquest.com if you have any questions at all!

For more information about our park, visit www.treetopquest.com.



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SAVE THE DATE

2017 Outdoor Learning Symposium

Friday, October 20

Southwest Atlanta Christian Academy



Save the date!
MARCH 2-4, 2018
Environmental Education Alliance
of Georgia Annual Conference
Unicoi State Park and Lodge,
Helen, GA

BIRD'S-EYE VIEW

SOARING BEYOND THE BACKYARD

The 2018 EEA Conference will focus on soaring beyond our backyard using local issues as the springboard to learn about global issues and make a positive impact. Give your lessons from a bird's-eye view by taking advantage of new innovations to bring technology into your classroom and outdoors.

WWW.EEALLIANCE.ORG



SAVE THE DATE

6TH ANNUAL SEEA CONFERENCE
ST. PETERSBURG, FL MARCH 16-18, 2018

