

# 2018 CAEE Advancing EE Conference Schedule-at-a-Glance

(times and dates and sessions may be subject to change)

Day	Time	Strand	Title	Description	Presenters
Friday, March 2, 2018	9:00-11:00		KEYNOTE	Be inspired by our keynote presenter and join the discussion on how to navigate ever-changing issues and perspectives to help EE remain relevant. See full description on page 6.	Maria Talero
Friday, March 2, 2018	11:00am-12:00pm	Connecting People with Nature	Play, Learn, and Serve: A Push for Inclusion in the Outdoor Stewardship World	Join us as we talk about the successes and challenges of piloting an Urban School-Based Initiative. This Session will include an intro into the initiative, with a discussion on youth in stewardship and the growing racial and economic "adventure gap".	Taylor Driver - Volunteers For Outdoor Colorado; Caitlyn Mergendahl - Lake International Middle School
Friday, March 2, 2018	11:00am-12:00pm	Connecting People with Nature	Making Observations	Increase your, and your student's curiosity of the natural world with three simple prompts from BEETLES "I notice, I wonder, and it reminds me of." Don't know who BEELTES is? This information and BEETLES resources will be shared too!	Sara Monson - Walking Mountains Science Center
Friday, March 2, 2018	11:00am-12:00pm	EE with Formal Education	E Guidelines: Let's Create Collective Impact Through Aligning Holistic Learning Objectives	Come explore the E Movement and E Guidelines to learn how a collective of teachers, schools, and EE providers are working together to ensure environmental literacy and holistic education. Explore resources that can be adapted to meet your needs.	Brad Smith - Boulder County; Erin Saunders - Thorne Nature Experience
Friday, March 2, 2018	11:00am-12:00pm	EE with Formal Education	Wading into Wetland Ecology: Interdisciplinary, Standards-Based Environmental Ed	Feeling swamped by state standards? This interactive session will showcase versatile, interdisciplinary activities that hit on science, literacy, and math standards while engaging students in wetland ecology and stewardship. Features classroom and field curriculum primarily aimed at 3rd-6th grade students.	Denali Barron - Aspen Center for Environmental Studies
Friday, March 2, 2018	11:00am-12:00pm	Connecting People with Nature	What's in a Seed? Living Ancestral Knowledge and a Key to a Healthy, Sustainable Future	Seeds are the first link in the food chain and holds ancestral knowledge. Come learn about Indigenous seed sovereignty, seed stewardship, and seed saving. We will get dirty and make seed balls for you to take home.	Tiffany Lovato - Woodbine Ecology Center
Friday, March 2, 2018	11:00am-12:00pm	EE with Formal Education	Learning with an Impact - Project Based Learning meets Environmental Education	This session will highlight the challenges, successes, and future directions of an internship project for high school students highlighting the conservation value of a potential land easement.	Michael Bienkowski - Durango Nature Studies

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Friday, March 2, 2018	12:00pm-1:00pm		LUNCH		
Friday, March 2, 2018	12:00pm-1:00pm	EE with Formal Education	Getting Involved in Colorado's EE Plan	Colorado has a formal plan for PreK-12 environmental education adopted by the State Board of Education! Come learn more about new directions for the next five years. Discover what the plan means for your organization and how regional councils will be implementing the plan statewide.	Katie Navin - Colorado Alliance for Environmental Education
Friday, March 2, 2018	12:00pm-1:00pm	Innovation in EE	Global Networking for Local Action: Education and Collaboration Across Scales	Environmental education is unique in bringing together place-specific needs and global-scale awareness. Yet how can lessons learned in one location be repositioned elsewhere without one-size-fits-all solutions? Attendees will explore this question during this session.	Lee Frankel-Goldwater - University of Colorado, Boulder
Friday, March 2, 2018	12:00pm-1:00pm	Investigating Environmental Challenges and Opportunities	The Gray and The Green: Teaching water infrastructure	Gray infrastructure is hard and angular. Green infrastructure is soft and rounded. Your students can transform gray into green, while learning myriad environmental concepts, life-long civic skills, and the practice of science and engineering. A bonus: improved water quality on your campus.	Donny Roush - Denver Public Works

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Friday, March 2, 2018	1:00pm-2:00pm	Cultivating Environmental Leaders	From Participants to Professionals: Introducing Youth to Careers in the Outdoors	We need today's youth to become tomorrow's environmental professionals. Receive a menu of ways you can engage youth in exploring these careers and dive into what makes the Cal-Wood Natural Resources Career program successful with their school clientele.	Lisa Eadens - Colorado Alliance for Environmental Education; Angie Busby - Cal-Wood Education
Friday, March 2, 2018	1:00pm-2:00pm	EE with Formal Education	Project Learning Tree Branches Out with new E- Units	Learn about and experience PLT's new online E-Units: Tremendous Science (K-2), Energy in Ecosystems (3-5), Carbon and Climate (6-8). Built in 5E lesson planning design, NGSS, CC and C3 SS standards, pre and post assessments. Available at <a href="http://shop.plt.org">shop.plt.org</a> or workshops.	Shawna Crocker - Colorado State Forest Service
Friday, March 2, 2018	1:00pm-2:00pm	EE with Formal Education	Activities for the Anthropocene	Combine history and environmental science in this hands-on session exploring how humans have shaped the earth and atmosphere since the Industrial Revolution. Discover how to build interdisciplinary lessons that bring human ecology concepts into the classroom or nature center.	Colleen Kulesza - Evergreen Audubon and Nature Center
Friday, March 2, 2018	1:00pm-2:00pm	Connecting People with Nature	Rhythmic Awareness and Ecological Identity	Developing awareness of nature's deep and varied rhythms can lead to deeper connection to all of life and stronger sense of ecological identity. Come and join this interactive, hands-on workshop exploring this fascinating topic and leave with a deeper sense of your own personal rhythms.	Deb Matlock - Wild Rhythms, LLC
Friday, March 2, 2018	1:00pm-2:00pm	Connecting People with Nature	Understanding the Impacts of Service Learning Programs	To understand the impacts of environmental education programs, we must explore conservation psychology. In 2017, the Rocky Mountain Conservancy conducted and will present on evaluations of participants to share how pro-environmental behaviors evolved and what programmatic components precipitated changes.	Geoff Elliot - Rocky Mountain Conservancy
Friday, March 2, 2018	1:00pm-2:00pm	Inclusive Environmental Education	Community Engagement and Culturally Responsive Programming	As environmental organizations, we know that life-long stewardship happens when our program impacts extend beyond our time with participants. Learn about replicable strategies for increasing your organization's capacity to be inclusive and culturally competent.	Angela Myers & Carlos Lerma - Thorne Nature Experience

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Friday, March 2, 2018	2:15pm-3:45pm	Innovation in EE	Deliberating Climate Choices	Using the new Environmental Issues Forum (EIF) Climate Choices guide, participate in a real-live deliberative forum answering the question "how should we meet the challenges of a warming planet?" Learn where to access free EIF materials and moderator guides for educators to integrate the deliberative process into their learning environments.	Kellie Gorman - Yampatika
Friday, March 2, 2018	2:15pm-3:45pm	Developing Capacity & Collaborations	Firestarter: Collective Outcomes in Environmental Education	How can we tell our story more effectively to advance environmental education? Which measures speak the loudest? Join us to discuss what we've learned from practitioners, funders, researchers, and national experts to help generate recommendations for shared outcomes in Colorado.	Katie Navin - Colorado Alliance for Environmental Education; Kelly Keena & Corrie Colvin Williams - Blue Lotus Consulting and Evaluation
Friday, March 2, 2018	2:15pm-3:45pm	Innovation in EE	We ARE the World; New perspectives on the relevance of EE	Is EE relevant to 21st century challenges? If so, how is EE best "deployed?" How can it evolve? This presentation / discussion explores how EE can be an integral part of the evolution of human society and our living planet.	Martin Ogle - Entrepreneurial Earth, LLC
Friday, March 2, 2018	2:15pm-3:45pm	Innovation in EE	Inspiring Educators in Place: Watershed Workshops	This fast-paced forum highlights four successful place-based water education programs across the state including Forest to Faucets, Western Rivers Teacher Workshops, and River Watch. Leave with effective strategies and practices for developing, or strengthening, place-based EE workshops.	Sarah Johnson - Wild Rose Education; Kay Phelps - Fort Lewis College; Natalie Brower- Kirton - City of Aurora; Barb Horn - Colorado Parks and Wildlife - River Watch
Friday, March 2, 2018	2:15pm-3:45pm	Connecting People with Nature	sNOW Way! - Engaging students in the winter	Find ways to create a winter savvy and snow literate community while fostering love for the snow. Using games, activities and plain ol' fun, give your students an experience they will remember forever!	Maegan Ward & Denali Barron - Aspen Center for Environmental Studies

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Friday, March 2, 2018	2:15pm-3:45pm	EE with Formal Education	PhEEnomental Programs and Field Trips	Explore how a focus on phenomena can make your school programs engaging, discovery-based, and tied to the new Colorado Academic Standards. Presenters share examples from our institutions and guide participants to ideate your own phenomenal programs and field trips.	Tiffany Kapler - Tiffany Kapler Consulting/Denver Zoo; Amy Lear - Denver Zoo; Robert Payo - DMNS; Laurel Olsen & Kirsten Bell - Denver Botanic Gardens
Friday, March 2, 2018	2:15pm-3:45pm	Innovation in EE	Tomorrow's Voices: Exploring the Ecotone Between Environmental Issues and Social Justice	How do we best create engaged ecological citizens? How to we facilitate the next education revolution? This interactive session explores the rich "ecotone" between issues of race, ecology, activism with students of all ages in classroom and outdoor settings	Arin Trook - Aspen Center for Environmental Studies
Friday, March 2, 2018	4:00pm-5:00pm	Cultivating Environmental Leaders	Certification 101: You can become a Certified Environmental Educator	Whether you are new to the EE field or have years of experience, the EE Certification Program through CAEE can help you grow as an environmental educator and develop your professional credentials. Come find out more about the program and how you can get started.	Katie Navin - Colorado Alliance for Environmental Education
Friday, March 2, 2018	4:00pm-5:00pm	Connecting People with Nature	Get to Know Colorado in 100 Objects	Are you a newcomer full of questions about Colorado? Or a seasoned native, looking for more ways to tell your environmental story? We'll use 100 objects to explore Colorado's environment and human history. This fast-moving, hands-on sessions will be full of cool content, fun activities, and new ideas to use in your work.	Liz Cook - History Colorado
Friday, March 2, 2018	4:00pm-5:00pm	Connecting People with Nature	Inside Out	Have a program idea but can't get outside due to weather or time of day? Get hints about bringing the outdoors inside without getting out of control. Do an indoor pond study and make a nature PowerPoint presentation interactive and fun. Then share ideas and solutions for a fabulous inside out learning experience.	Angela Borland - Majestic View Nature Center

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Friday, March 2, 2018	4:00pm-5:00pm	Developing Capacity & Collaborations	EE: Getting In and Staying In	Working in Environmental Education (EE) is rewarding, but can also be a challenging way to make a living. Whether you are new to EE, or a seasoned practitioner, come join this discussion to share ideas and insights about getting in and staying in the field of EE.	Deb Matlock - Wild Rhythms, LLC
Friday, March 2, 2018	4:00pm-5:00pm	Connecting People with Nature	What's new with Project WILD?!?	Project WILD has been going through a massive re-write and revision over the past couple of years and the new guides were just released. Come browse through the new guide and experience a new WILD activity or two.	Tabbi Kinion & Emily Snode-Brenneman - Colorado Parks and Wildlife
Friday, March 2, 2018	4:00pm-5:00pm	Inclusive Environmental Education	Your Inner Watershed	Environmental education often walks the line between academic interpretation, exploration, and self-reflection. Your Inner Watershed identifies and illuminates activities that allow students to share their whole selves while practicing scientific and ecological concepts in the field.	Matthew Thomas & Kelsey Head - Walking Mountains Science Center

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Saturday, March 3, 2018	9:00am-10:30am	Innovation in EE	Forest Schools in Colorado	Learn about the history of Forest Schools, their international roots and Colorado's role in establishing this transformational approach to learning in America. Explore how you can implement this methodology in your program or create your own Forest School.	Megan Patterson - Worldmind Nature Immersion School; Brett Dabb - The Nursery School
Saturday, March 3, 2018	9:00am-10:30am	Connecting People with Nature	Forming the Right Team to Effectively (and Easily) teach Fly Fishing in Classrooms, Camps, and Community	How does a naturalist, angler, and watershed educator connect children to their environment through fly fishing, while enabling them to pursuit a lifetime of environmental stewardship? Come learn about the National Fishing in Schools Program which accomplishes these goals, while meeting academic standards.	Dustin Hall - Aspen Center for Environmental Studies; Christina Medved - Roaring Fork Conservancy
Saturday, March 3, 2018	9:00am-10:30am	EE with Formal Education	Planting Roots: Regaining Traditional Visions of Land Use	Native Americans are perceived as close to the land. But modern technologies have removed many indigenous peoples from traditional land use practices. This project, created by Native American students, modernizes traditional values for the benefit of their tribes and communities.	Robert Galin - University of New Mexico-Gallup/Colorado Parks & Wildlife
Saturday, March 3, 2018	9:00am-10:30am	Innovation in EE	Sustainable Living: It's coming, is EE prepared	Reconnecting with nature is a central component of sustainability, but other components are also crucial in connecting with. This interactive discussion of 12 basic principles that should be included outlines what is needed. These principles can easily be included in most programs.	Richard Jurin - Retired Emeritus University of Northern Colorado
Saturday, March 3, 2018	9:00am-10:30am	Connecting People with Nature	Grass, Dirt, and Concrete: Engaging Preschoolers in Outdoor Spaces	By reimagining the ECE outdoor environment as a dynamic space, learn how adding loose parts to the outdoors creates opportunities for development. In addition, learn how the ECHO Initiative is transforming outdoor spaces, and how you can get involved.	Adrienne Sedlak - Qualistar Colorado; Sarah Konradi - National Wildlife Federation
Saturday, March 3, 2018	9:00am-10:30am	Innovation in EE	United Cultures through Art and Nature - "Building a More Inclusive Generation of Environmental Stewards	United Cultures for Art and Nature (U-CAN) youth program engages minorities through a stewardship curriculum anchored in arts and culture. U-CAN students share their experiences and lead a hands-on workshop that demonstrates their skills and capacity as environmental education facilitators.	Marissa Ahern, Lhotse Springer, Franklin Cruz, Danielle Oskt - Americas for Conservation + the Arts

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Saturday, March 3, 2018	10:45am-11:45am	Connecting People with Nature	Biomimicry with Live Animals	Biomimicry is the practice of looking to nature for inspiration to solve design and production problems. Learn about biomimetic design and meet some of the many animals that have inspired advances in robotics, aviation, optics, and more!	Corbin Smith - Nature's Educators
Saturday, March 3, 2018	10:45am-11:45am	Inclusive Environmental Education	Empowering Diverse Communities through Sustainability, Social Justice, and Civic Engagement	Members of Coldharbour's SEED program explore relationships between higher education, nonprofits, and disempowered communities. How do communities that EE professionals hope to empower feel about advocacy? When the greater socio-political climate threatens minority and low-income people's, how do EE professionals react?	Melanie Armstrong & Christian Arel - Western Colorado University
Saturday, March 3, 2018	10:45am-11:45am	Innovation in EE	Award Winners Lightning Presentations		TBD
Saturday, March 3, 2018	10:45am-11:45am	Innovation in EE	Empowering via Misconception & 5Es	What does misconception have to do with teaching and learning? In this interactive session featuring the 5E Model of Instruction, we'll ignite curiosity and uncover the power of misconception to catalyze exploration, discovery, and learning that sticks!	Christine Leahy - Connect2Curiosity Consulting; Tiffany Kapler - Tiffany Kapler Consulting
Saturday, March 3, 2018	10:45am-11:45am	EE with Formal Education	Do Our Students Know if They're Learning	We all know the importance of debriefing experiences so students can evaluate their own learning, but actually doing so can be challenging. Explore one debrief activity that incorporates peer and instructor feedback and brainstorm other ways to use these ideas.	Kelly Williams - Walking Mountains Science Center
Saturday, March 3, 2018	10:45am-11:45am	Cultivating Environmental Leaders	The Challenges and Impacts of Conservation Education: A Case Study from the Foothills of Mount Kenya	During the summer of 2017, environmental educators from Colorado journeyed to the base of Mount Kenya (an UNESCO World Heritage Site) to engage young Kenyans in conservation in their community. Although grounded in the foothills of Mount Kenya, this powerful presentation will illustrate how environmental education, hands-on experience, and mentorship can have a dramatic impact on the lives of under served youth in communities near and far.	Bevin Carithers - Boulder County Parks and Open Space; Mary McCormac & Donna Forrest - Colorado Parks and Wildlife



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Saturday, March 3, 2018	10:45am-11:45am	EE with Formal Education	The Challenges and Successes of a Standards Based, Middle School Environmental Education Program with Durango Nature Studies	Engaging middle school students in environmental education can be challenging in a time where nature deficit disorder reigns. Three years ago we created a program to teach middle school students outdoors. Since then, we have uncovered both successes and challenges.	Grace Gordon - Durango Nature Studies
Saturday, March 3, 2018	11:45am-2:00pm		AWARD LUNCHEON		
Saturday, March 3, 2018	2:00pm-4:00pm	Inclusive Environmental Education	Community Engagement Guidelines for Excellence Workshop	Recently published by the North American Association for Environmental Education, the Community Engagement Guidelines focus on community wellness and steps to help environmental educators create more inclusive environments. Join us to explore the toolkit of resources and engage in participant-driven discussions.	Lisa Eadens - CAEE
Saturday, March 3, 2018	2:00pm-4:00pm	Innovation in EE	AQTreks: Students change the way they "see" their air by measuring air pollution	In AQTreks, students use the Personal Air Monitor (PAM) to measure air pollutants along mobile "Treks" of their own design. Treks are displayed in maps and graphs in the AQTreks smartphone app. The PAM measures CO, CO2, and particulate matter. We will go on a Trek during this session to measure indoor and outdoor air pollution levels.	Jessa Ellenburg & Jessica Hatz - AQTreks
Saturday, March 3, 2018	2:00pm-4:00pm	Connecting People with Nature	Nature Rx Prescriptions to Health - Promotores Verdes Leading the Way	Promotores Verdes are growing family-based advocates for better health through nature experiences. This outdoor experiential programming combines public health and environmental education, inspires families to go outdoors, learn more, volunteer (practicing) and stepping into action (stewardship).	Lhotse Springer - Americas for Conservation + the Arts; Susana Arreola Ponce de Leon - CREA results;
Saturday, March 3, 2018	4:00pm-5:00pm		CSM Credit Wrap-Up Discussion	Join us for a final discussion on how you will incorporate what you have learned over the conference into your daily teaching practice. <i>*Anyone taking the conference for a full credit of for 1.2 a credit (on Saturday only) will need to attend this session to complete their CSM hours.</i>	