



PLAN IT FOR THE PLANET

an environmental summit for educators

SUMMIT RESOURCES

FUND FOR
TEACHERS

TABLE OF CONTENTS

2

Presenter Contacts,
Resources

29

Contact
List

32

Environmental
Plan for Action

34

Post Event
Survey

36

About Fund for
Teachers

FUND FOR TEACHERS IS GRATEFUL FOR PLANNING SUPPORT FROM

**ASSOCIATION
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Amy Rutherford, Director of
Professional Development and Education

**THE FLORIDA
AQUARIUM** 

Debbi Stone, Vice President of Learning



National and Regional Presenter Contacts, Agency Overview & Reference Material Lists

NATIONAL PRESENTERS

SESSION 1A: National Network of Ocean and Climate Change Institute (NNOCCI)

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|---|---|
| Presenters' Names | Adam Ratner and Andrea Stein |
| Positions | Adam Ratner, Associate Director of Conservation Education Andrea Stein, Manager of School Programs |
| Email | RatnerA@tmmc.org , astein@rwpzoo.org |
| Phone | 415-289-7356, 401-785-3510 ext. 359 |
| Organization | The Marine Mammal Center (Adam), Roger Williams Park Zoo (Andrea), National Network for Ocean and Climate Change Interpretation (both) |
| Mission | National Network for Ocean and Climate Change Interpretation: To change the national discourse on climate change to be more positive, civic-minded and solutions-focused |
| Location | National |
| Website | www.NNOCCI.org |
| Primary email for follow-up | RatnerA@tmmc.org |
| Brief description of organization | NNOCCI is a network of individuals and organizations in informal education, the social sciences, and climate sciences. We are currently working in 184 institutions in 38 states. NNOCCI's goal is to strengthen public agency around collective climate action by training and supporting diverse leaders in climate communication, through expanding our partners and equipping our network with tested, timely and relevant communication tools. |
| Brief description of educational programming | Trying to communicate climate change, but people just don't seem to respond to your facts and science? As important as knowing the climate science, social science provides evidence-based practices that allow us to communicate climate science more effectively. In this session, you will be introduced to the work of the National Network for Ocean and Climate Change Interpretation (NNOCCI), a collective of over 500 climate communicators. Learn how specific values and metaphors make your audience more receptive to climate change messaging and join a community of communicators changing the national discourse to be more positive, civic-minded, and solutions-focused. |
| Suggested authentic activities | We will highlight social science and tested language that audiences can implement in their climate communications, as it relates to both climate science and communicating about climate solutions. Handouts/videos will be share during and following the event, along with a message template and action plan template for utilization in future messaging development. |
| Websites for reference | www.NNOCCI.org https://vimeo.com/220672114 |
| Recommended books for students and teachers | Communicating Climate Change: A Guide for Educators: https://www.cornellpress.cornell.edu/book/9781501730795/communicating-climate-change/ |

Session 1B: National Oceanic and Atmospheric Administration (NOAA)

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| Presenters' Names | Bekkah Lampe, Claire Fackler and Bruce Moravchik |
| Positions | Bekkah Lampe, Outreach and Education Coordinator Claire Fackler, Education Liason/Volunteer Coord. |
| Email | Bekkah.Lampe@noaa.gov ; claire.facklet@noaa.gov ; bruce.moravchik@noaa.gov |
| Phone | 240-676-7125 |
| Organization | National Oceanic and Atmospheric Administration |
| Mission | To understand and predict changes in climate, weather, oceans, and coasts. To share that knowledge and information with others; and To conserve and manage coastal and marine ecosystems and resources. |
| Location | Through-out the US |
| Website | https://www.noaa.gov |
| Primary email for follow-up | Bekkah Lampe; education@noaa.gov |
| Brief description of organization | NOAA has about 700 facilities across the nation, including seven Research Labs, six Fisheries Science Centers, 122 Weather Forecast Offices, 14 National Marine Sanctuaries, five National Marine Monuments, 29 National Estuarine Research Reserves and many others. |
| Brief description of educational programming | NOAA's scientific work is the foundation for its educational programs and resources that include investigations of patterns, features, and interactions of the Earth's oceans, coasts, Great Lakes, weather and climate. The session features a panel of NOAA educators discussing specialized NOAA resources and programs: NOAA's curated Education Resource Collections, which cover a broad array of Earth and ecosystem science; virtual dives in America's underwater parks, known as national marine sanctuaries; and NOAA's Planet Stewards Program, which offers teachers up to \$5,000 in support of hands-on stewardship projects to respond to environmental challenges. |
| Suggested authentic activities | Authentic projects may include activities in any part of NOAA's mission areas including weather prediction, climate change, management and protection of marine resources, and many others. |
| Websites for reference | https://www.noaa.gov/education |
| Recommended books for students and teachers | https://www.noaa.gov/education/resource-collections |

Session 1C: North American Association for Environmental Education (NAAEE)

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| Presenters' Names | Judy Braus and Anne Umali |
| Positions | Judy Braus, Executive Director Anne Umali, Director of Professional Development |
| Email | judybraus@gmail.com ; anne@naaee.org |
| Phone | 703-608-2952 (Anne) |
| Organization | North American Association for Environmental Education |

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| Mission | To use the power of education to advance environmental literacy and civic engagement to create a more equitable and sustainable future. We work with educators, policymakers, and partners throughout the world. |
| Location | Washington, D.C. |
| Website | www.naaee.org |
| Primary email for follow-up | anne@naaee.org |
| Brief description of educational programming | As a force multiplier for environmental education, NAAEE is committed to promoting excellence in the field and expanding the reach and impact of our collective work. Through signature programs, advocacy, conferences, and other activities, NAAEE works with partners across North America and beyond, to advance our mission of accelerating environmental literacy and civic engagement to create a more sustainable future. |
| Suggested authentic activities | Visit eeLEARN a series of online learning modules that explore foundational concepts of environmental education. Our modules include: The History of EE, What is EE?, Research and Evaluation, and Equitable and Inclusive EE https://naaee.org/eepr/learning/eelearn |
| Websites for reference | www.naaee.org & www.naaee.org/eepr eePRO is an online community to connect environmental education (EE) professionals around the world. Anyone can join eePRO, and by joining, you gain access to job opportunities, webinars, online courses, discussion forums, and many more resources, and you can share your own news and content with others. |
| Recommended books for students and teachers | Justice, Equity, Diversity, and Inclusion Resources for Environmental Education Professionals and Students This site includes a list of resources, including resources developed by NAAEE, designed to help educators and learners of all ages center equity in their work in the field of environmental education. The National Project for Excellence in Environmental Education, initiated by NAAEE in 1994, has developed a series of guidelines that set the standards for high-quality environmental education. Each of these publications was developed by a diverse team of professionals, and each has gone through a substantive review by thousands of professionals prior to its publication. There are currently six sets of Guidelines available for free PDF download, including K-12 Environmental Education: Guidelines for Excellence |

Session 1D: US Fish and Wildlife Service (USFWS)

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| Presenters' Names | Nathaniel Hawley, Mark Madison, Randy Robinson and Leah Schrodt |
| Positions | Nathaniel Hawley, Division Manager Mark Madison, FWS Historian Randy Robinson, Education Specialist Leah Schrodt, Interpretive Lead Oregon Zoo Partner |
| Email | nathaniel_hawley@fws.gov; mark_madison@fws.gov; randy_robinson@fws.gov; leah_schrodt@fws.gov |
| Phone | 304-876-7450 |

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| Organization | USFWS National Conservation Training Center |
| Mission | Conservation Training, Education and Outreach |
| Location | Shepherdstown, WV |
| Website | https://nctc.fws.gov |
| Primary email for follow-up | randy_robinson@fws.gov |
| Brief description of organization | NCTC has a beautiful 500-acre campus on the Potomac River near historic Shepherdstown, WV. Four residential lodges, labs, classrooms, dining hall, auditorium and meeting rooms provide an ideal setting for a wide variety of courses, conferences & meetings of state, federal and NGO conservation organizations. |
| Brief description of educational programming | <ul style="list-style-type: none"> • Conservation Connect is a series of short videos and live broadcasts for students on wildlife, careers and the technology used to study and protect wildlife. • NCTC Eaglecam is a live webcam streaming from a bald eagle's nest on the NCTC campus. Weekly nest updates are provided for teachers & students via Livestream. • Junior Duck Stamp Conservation Program: "Conservation through the Arts" A nationally recognized annual art contest for k-12 students and an environmental science curriculum. • Conservation History features an interactive timeline, Native American Roundtable and Conservation Heroes |
| Suggested authentic activities | <p>These publications and toolkits offer student activities on climate change and environmental science:</p> <ul style="list-style-type: none"> • Changing Climate, Greening Energy: An Eagle's Eye View https://www.fws.gov/external-affairs/marketing-communications/printing-and-publishing/publications/FW-3008-Changing-Climate-Greening-Energy-An-Eagles-View.pdf • Let's Celebrate Rachel Carson https://www.fws.gov/external-affairs/marketing-communications/printing-and-publishing/publications/FW-3005-Rachel-Carson-Coloring-Book-and-Activity-Guide.pdf • <i>Climate Change, Wildlife and Wildlands Toolkit for Formal and Informal Educators</i> • https://www.globalchange.gov/browse/educators/wildlife-wildlands-toolkit • Earth to Sky https://earthtosky.org |
| Websites for reference | <ul style="list-style-type: none"> • Conservation Connect: https://nctc.fws.gov/conservationconnect • NCTC Eagle Cam: https://www.outdoorchannel.com/eaglecam or https://nctc.fws.gov/topic/eagle-cam • Junior Duck Stamp Conservation Program: https://www.fws.gov/birds/education/junior-duck-stamp-conservation-program.php • Conservation History: http://conservationhistory.com |
| Recommended books for students and teachers | <ul style="list-style-type: none"> • Inside a Bald Eagle's Nest: A Photographic Journey Through the American Bald Eagle Nesting Season by Teena Gorrow and Craig Koppie • Beauty and the Beak: by Deborah Lee Rose and Janie Veltkamp |

REGIONAL PRESENTERS

Session 2A: Connecticut's Beardsley Zoo, Bridgeport, CT

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| Presenter's Name | Jackie Westlein |
| Position | Associate Curator of Education |
| Email | jwestlein@beardsleyzoo.org |
| Phone | 203-3946563 |
| Organization | Connecticut's Beardsley Zoo |
| Mission | Connecticut's Beardsley Zoo is dedicated to acquainting a diverse public to the delicate balance that exists between living things and their environment. |
| Location | 1875 Noble Avenue Bridgeport, CT 06610 |
| Website | www.beardsleyzoo.org |
| Primary email for follow-up | jwestlein@beardsleyzoo.org |
| Brief description of organization | Connecticut's Beardsley Zoo has a proud history of over 90 years as Connecticut's only Zoo. As an accredited member of the Association of Zoos and Aquariums (AZA) and participant in its Species Survival Plan (SSP) programs, we are committed to the preservation of endangered animals and are actively developing strategies that will protect species and preserve their wild habitats. Through education, conservation, research and recreation, Connecticut's Beardsley Zoo provides a wonderfully wild experience for students and families. |
| Brief description of educational programming | Our Education Program Shares the Wild World Our fully staffed Education Department reaches beyond the gates of the Zoo to bring curiosity, wonder, and knowledge to people of all ages. Programs are targeted to students and teachers, parents and children, scout groups, libraries, senior citizens, and children from 18 months to 18 years. The ZooMobile travels around the state with Animal Ambassadors to share our mission of conservation, education and species protection with everyone from students to seniors. All of our school programs comply with and satisfy Next Generation Science Standards (NGSS). Our broad audience includes teachers, students, scout groups and families. We provide opportunities for environmental stewardship, conservation education, resource management and a sustainable future. |
| Suggested authentic activities | Hands on Citizen Science Opportunities FrogWatch USA, Monarch Watch Teen Volunteer Programs, Conservation Discovery Corps, Zoo Career Explorers, and Beardsley Zoo 4-H Chapter, iNaturalist App for species identification |
| Websites for reference | Earthday.org , Frogwatch@aza.org, Savethesound.org , Connecticut DEEP |
| Recommended books for students and teachers | Aldo Leopold, Sand County |

Session 2A: The Marine Aquarium @Norwalk, Norwalk, CT

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| Presenter's Name | Tom Naiman |
| Position | Vice President - Education |
| Email | tnaiman@maritimeaquarium.org |
| Phone | 203-852-0700; ext 2337 |
| Organization | The Maritime Aquarium at Norwalk |
| Mission | The Maritime Aquarium inspires people of all ages to appreciate and protect the Long Island Sound ecosystem and the global environment through living exhibits, marine science, and environmental education. |
| Location | Norwalk, Connecticut |
| Website | www.maritimeaquarium.org |
| Primary email for follow-up | tnaiman@maritimeaquarium.org |
| Brief description of organization | The Maritime Aquarium is located at the mouth of the Norwalk River where it enters Long Island Sound. The Aquarium's exhibits – home to more than 7,000 live animals – lead half a million visitors annually on a voyage of discovery through the largely underappreciated ecosystem in their own backyard: from the rivers that feed Long Island Sound to the salt marshes that serve as coastal fish nurseries to the deep-water “race” where sharks and rays navigate the transition to the Atlantic Ocean. Utilizing the nation's first hybrid-electric research vessel, the Aquarium introduces thousands of passengers to the “Estuary of National Significance” that is our focus, with the most diverse and ambitious shipboard education programs of any aquarium. Aboard the vessel, children as young as eight see with their own eyes what lives below the surface and engage activities that monitor species diversity and abundance, water quality and weather. |
| Brief description of educational programming | The Aquarium's cradle-to-career approach to education begins at Maritime Odyssey Preschool, which we co-founded in 2016 and is now the largest preschool in Norwalk. Located in the city's lowest-income neighborhood, Maritime Odyssey provides 200 children with a full-day marine-themed curriculum. At the preschool we're exploring how STEM in early-childhood education can drive higher achievement in kindergarten and beyond. The Aquarium reaches approximately 80,000 preschool-through-Grade 12 students annually in our exhibit galleries, five onsite classrooms, aboard our research vessel and at local beaches, as well as at hundreds of schools in Connecticut and New York. Since the onset of the pandemic, we have shifted to virtual programs that have reached more than 25,000 people—students and the public—in 44 states and several foreign countries. The Aquarium's professional development program offers teacher workshops on climate change, early childhood STEM, and interpretation. |
| Suggested authentic activities | The Aquarium's Sound Resilience program was funded by a four-year grant from NOAA. It includes activities in the classroom, at the Aquarium and on our research vessel, and virtual programs, all focused on climate change and coastal resilience. |
| Websites for reference | <ul style="list-style-type: none"> • https://www.maritimeaquarium.org/distance-learning • https://www.maritimeaquarium.org/teachers-and-groups • https://www.maritimeaquarium.org/maritime-odyssey-preschool |
| Recommended books for students and teachers | This Changes Everything, by Naomi Klein (https://thischangeseverything.org/) |

Session 2B, Presenter 1: **Buttonwood Park Zoo, New Bedford, MA**

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| Presenter's Name | Carrie Hawthorne |
| Position | Curator of Education |
| Email | Carrie.hawthorne@newbedford-ma.gov |
| Phone | 508-991-6178 ext 67413 |
| Organization | Buttonwood Park Zoo |
| Mission | The Buttonwood Park Zoo is dedicated to preserving the future of wildlife by creating engaging and educational experiences that connect the community to the natural world. |
| Location | New Bedford, MA |
| Website | www.bpzoo.org |
| Primary email for follow-up | Carrie.hawthorne@newbedford-ma.gov |
| Brief description of organization | Buttonwood Park Zoo, owned and operated by the City of New Bedford and supported in its endeavors by the Buttonwood Park Zoological Society, features a variety of animals native to Asia, Africa, Europe, North America, and South America. |
| Brief description of educational programming | The Buttonwood Park Zoo is one of the largest environmental education organizations in southeastern Massachusetts, with a mission to inspire the region to create a better future for wildlife. The Education Department strives to create meaningful learning opportunities that connect the audience with the natural world, while fostering a respect for wildlife. Through dynamic graphics and interpretation, inquiry-based classroom programs, live animal presentations, unique outdoor play experiences, volunteer programs, and a talented team of educators we hope to expand the reach of conservation education in the area. |
| Suggested authentic activities | <ul style="list-style-type: none"> • https://www.geographypods.com/palm-oil-me.html • https://naaee.org/eepro/resources/orangutan-gang-palm-oil-lesson-plan • https://mass.pbslearningmedia.org/resource/global-oneness-project-18-lesson-plan/investigating-the-impacts-of-palm-oil-lesson-plan-global-oneness-project/#.YFDEE51KiM8 • https://www.cmzoo.org/conservation/orangutans-palm-oil/palm-oil-tool-kit/ |
| Websites for reference | <ul style="list-style-type: none"> • www.cmzoo.org/conservation/orangutans-palm-oil • https://rspo.org |

Session 2B, Presenter 2: **Mystic Aquarium, Mystic, CT**

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| Presenter's Name | Kelly Matis |
| Position | VP Education & Conservation |
| Email | kmatis@mysticaquarium.org |
| Phone | 860-572-5955 ext 320 |
| Organization | Mystic Aquarium |
| Mission | To inspire people to care for and protect our ocean planet through conservation, education, and research. |
| Location | Mystic, Connecticut |

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| Website | www.mysticaquarium.org |
| Primary email for follow-up | kmatis@mysticaquarium.org |
| Brief description of organization | Mystic Aquarium is a nonprofit 501(c)3 organization with a highly collaborative and integrated mission: to inspire people to care for and protect our ocean planet through conservation, education, and research. As a premier marine science and education institution, with over 150 research publications and reaching over 800,000 visitors and 100,000 students annually, Mystic Aquarium is firmly committed to engaging the community at large in local and global conservation. |
| Brief description of educational programming | Mystic Aquarium plans to focus the presentation on sea turtles. We will discuss the threats affecting sea turtles with a focus on the impact of marine debris, sea turtle rehabilitation at Mystic Aquarium and what individuals can do to help. |
| Suggested authentic activities | Reducing use of single use plastics Debris clean-up events Beach patrols Volunteer with the animal rescue program |
| Websites for reference | Mysticaquarium.org https://www.youtube.com/user/MysticAquarium |

Session 2B, Presenter 3: Roger Williams Park Zoo, Providence, RI

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| Presenter's Name | Andrea Stein |
| Position | Manager of School Programs |
| Email | astein@rwpzoo.org |
| Phone | 401-785-3510 ext. 359 |
| Organization | Roger Williams Park Zoo |
| Mission | As leaders in conservation and animal care, we create engaging experiences that empower guests to join us in conserving wildlife and wild places |
| Location | Providence, RI |
| Website | www.rwpzoo.org |
| Primary email for follow-up | astein@rwpzoo.org |
| Brief description of organization | For nearly 150 years, the Zoo has connected people with wildlife to inspire a love and appreciation for the environment and its animals. From our hands-on Masai giraffe feedings and armadillo encounters, to witnessing our giant otters splash and slide down their waterslide - these moments tell a story and create connections that last a lifetime. It is with each experience that we create future leaders with a desire to protect and save species. |
| Brief description of educational programming | RWP Zoo Education aspires to engage program participants as active partners in conservation. We aim to develop a community of critical thinkers who have the skills necessary to be effective conservation advocates and active community members. Using our unique resources, we provide experiences that advance scientific literacy, while inspiring |

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| | wonder, awe, empathy, curiosity, and an emotional connection to wildlife, wild places, and each other. |
| Suggested authentic activities | <p>Participate in a Citizen Science Project</p> <p>Examples Include:</p> <p>Frog Watch</p> <p>Project Bud Burst</p> <p>Feeder Watch</p> <p>I See Change</p> <p>Nature's Notebook</p> <p>Celebrate Urban Birds</p> <p>iNaturalist</p> <p>Participate in RWP Zoo's Endangered Species Youth Art Contest: http://www.rwpzoo.org/youth-art-contest</p> <p>Create a School Yard Habitat: http://www.fws.gov/cno/pdf/HabitatGuideColor.pdf</p> |
| Websites for reference | <p>Roger Williams Park Zoo You Tube Channel: https://www.youtube.com/channel/UCvhS7elhxHifvJuhb_331MA</p> <p>Jane Goodall's Roots & Shoots: https://www.rootsandshoots.org/</p> <p>Roger Williams Park Zoo Conservation Initiatives: http://www.rwpzoo.org/saving-wildlife</p> <p>Roger Williams Park Zoo Programs: http://www.rwpzoo.org/educators</p> <p>Get Involved at Roger Williams Park Zoo: http://www.rwpzoo.org/get-involved</p> <p>Frog Watch USA: https://www.aza.org/frogwatch?locale=en</p> <p>Field Scope: http://www.fieldscope.org/</p> <p>SciStarter: https://scistarter.org/ (search for Citizen Science Projects)</p> <p>Wildlife Conservation Society Field Site (authentic learning activities): https://bronxzoo.com/learn/educators/field-sight</p> <p>Rhode Island Environmental Education Association: www.rieea.org</p> |
| Recommended books for students/teachers | <p>Hope for Animals and Their World By: Jane Goodall</p> <p>Beyond Ecophobia: Reclaiming the Heart in Nature Education (Nature Literacy Series, Vol. 1) By: David Sobel and Molly Steinwald</p> <p>Place-based Education: Connecting Classrooms & Communities, With Index By: David Sobel and James Tylor and The Center for Ecoliteracy</p> |

Session 2C, Presenter 1: **Brevard Zoo, Melbourne, FL**

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| Presenter's Name | Janelle Cummins |
| Position | Director of Education |
| Email | jcummins@brevardzoo.org |
| Phone | 321.254.9453 |
| Organization | Brevard Zoo |
| Mission | We Share Our Joy of Nature o Help Wildlife and People Thrive |
| Location | Melbourne, Florida |
| Website | www.brevardzoo.org |
| Primary email for | jcummins@brevardzoo.org |

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| follow-up | |
| Brief description of organization | Brevard Zoo serves over 400,000 patrons annually and is home to 923 individual animals representing 196 species from 4 distinct geographical areas of the world. As a 501(c)(3) not-for-profit organization, Brevard Zoo has relied on tremendous support from our community, including individual and commercial support, while avoiding dependence on governmental funding for core operations. This deep partnership with our community encourages our continuing success, averaging 90% earned income annually, allowing us to develop new and innovative programs to give back. the Zoo. Brevard Zoo is a leader in the fields of animal wellness, education and conservation and strives to lead our community in conservation projects, including rehabilitating sea turtles at our Sea Turtle Healing Center, and Restoring our Shores with oyster restoration, and creating a new generation of environmental stewards throughout educational programming in schools and throughout the community. Family Nature Club, Zoo Teens and Lagoon Quest are a few educational programs that continue to bring families outdoors. |
| Brief description of educational programming | Brevard Zoo offers in-person, virtual and outreach programs for all ages. Programs range from Zoo Sprouts, ages 3 & 4, through the teen years with Jr. Zoo Keeper and Zoo Teen Program to lifelong learning with families and adults. Our committed staff is dedicated to instilling a love of nature in our youth and inspiring them to explore, all while offering knowledge and teaching valuable skills. With such a wide range of programs, participants can literally grow with us every year! |
| Suggested authentic activities | <p>Discovering a Passion</p> <ul style="list-style-type: none"> Youth Environmental Summit: Attend or collaborate with Brevard Zoo (or a local AZA facility) to inspire and connect environmentally-minded teens with like-minded peers to learn about, create or support local and national conservation projects. By volunteering with a local zoo or aquarium, including participating in a Volunteer Zoo Teen program, Conservation Leaders, or community conservation committee you can directly influence environmental change. Discovering a passion can inspire a career. Talk with local organizations and invite them to guest speak at your school or for your community. |
| Websites for reference | <ul style="list-style-type: none"> www.brevardzoo.org/education https://brevardzoo.org/volunteer-programs/zoo-teen-programs/ http://www.yocs.org/ |

Session 2C, Presenter 2: **The Florida Aquarium, Tampa, FL**

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| Presenter's Name | Debbi Stone |
| Position | Vice President of Learning |
| Email | dstone@flaquarium.org |
| Phone | (813) 367-4085 |
| Organization | The Florida Aquarium |
| Mission | To entertain, educate, and inspire stewardship of our natural environment. |
| Location | Tampa, FL |
| Website | www.flaquarium.org |
| Primary email for follow-up | dstone@flaquarium.org |

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| <p>Brief description of organization</p> | <p>The Florida Aquarium participates in and promotes stewardship of the natural environment. As a 501(c)(3) not-for-profit, the Aquarium provides an opportunity to see over 8,000 aquatic and terrestrial animals, explore complex ecosystems, engage in dynamic educational programming, and look for wild dolphins in Tampa Bay aboard the Bay Spirit II catamaran. The Florida Aquarium works to protect and restore our blue planet on many conservation fronts, including research and rescue efforts that help restore Florida’s sea turtle and coral populations. In August of 2019, The Florida Aquarium, in partnership with Project Coral, became the first to successfully spawn critically endangered pillar coral in a laboratory.</p> |
| <p>Brief description of educational programming</p> | <p>The Florida Aquarium offers in-person and virtual programs for all ages. From AquaTots (ages 3 & 4) to lifelong learning programs for active retirees, school groups to Scouts, camps to daily visitor programming and more, action-focused programs that promote opportunities to protect and restore our blue planet are offered year-round to inspire today and tomorrow’s stewards of our natural world.</p> |
| <p>Suggested authentic activities</p> | <p>Participate in local clean-ups and plantings, many of which can be organized with The Florida Aquarium and its partners.</p> <p>Collaborate with The Florida Aquarium (or your local zoo or aquarium) to co-design a grant or other funding ask, as these philanthropically-funded programs often provide deep dives into hands-on learning that lead to long-term impacts.</p> <p>Volunteer or intern at The Florida Aquarium to participate in and learn about a variety of career options, all while also strengthening environmental literacy.</p> |
| <p>Websites for reference</p> | <ul style="list-style-type: none"> • https://www.flaquarium.org/education • https://www.fisheries.noaa.gov/outreach-and-education/noaa-enrichment-marine-sciences-and-oceanography-nemo-curriculum • https://www.noaa.gov/office-education/celc • http://www.yocs.org/ • https://theoceanproject.org/ • https://www.epa.gov/education • http://www.greeneducationfoundation.org/nationalgreenweeksub/waste-reduction-tips/tips-to-use-less-plastic.html |
| <p>Recommended books for students/teachers</p> | <ul style="list-style-type: none"> • See https://www.earth2ocean.net/books.html for a variety of books, both fiction and non-fiction and both for students and adults. • For young children, these are excellent, award-winning books that combine content and art beautifully: https://eric-carle.com/books/ • No One is Too Small to Make a Difference, Greta Thurnberg • The Lorax, Dr. Seuss (while appearing to be for children, the message resonates with all ages) • How to Give Up Plastic: A Conscious Guide to Changing the World, One Plastic Bottle at a Time, Will McCallum |

Session 2C, Presenter 3: ZooTampa at Lowry Park, Tampa, FL

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| <p>Presenter's Name</p> | <p>Jennifer McLachlan</p> |
| <p>Position</p> | <p>Vice President of Learning and Community Engagement</p> |
| <p>Email</p> | <p>Jennifer.mclachlan@zootampa.org</p> |
| <p>Phone</p> | <p>813-935-8552 ext. 4209</p> |

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| Organization | ZooTampa at Lowry Park |
| Mission | Rescue, rehabilitate and care for animals; create exceptional personalized experiences that connect people with wildlife and each other in fun, immersive ways. |
| Location | Tampa Fl |
| Website | ZooTampa.org |
| Primary email for follow-up | Jennifer.mclachlan@zootampa.org |
| Brief description of organization | <p>The Zoo emphasizes endangered, threatened and vulnerable species from climates similar to that of the Tampa Bay region, with park areas devoted to Asia, Africa, Australia and Florida. Our animal habitats balance support for the maximum well-being of the animals with the importance of engaging our guests and inspiring them to protect and preserve wildlife. Random animal encounters, behind-the-scene tours, and other special personalized experiences expand the Zoo’s opportunities to provide unforgettable natural connections. The Zoo now cares for more than 1,100 animals. The Zoo participates in nearly 100 of AZA’s networks for managing endangered and threatened species, and has won numerous awards for its animal conservation and management programs. The State of Florida formally recognized the Zoo in 2004 as a center for biodiversity and conservation. It exhibits the most comprehensive species of endangered Florida wildlife anywhere. This is best reflected in the work we do every day at the Jacarlene Animal Care Campus that features the Tiedemann-Cotton Animal Care Annex, and our Catherine Lowry Straz Veterinary Hospital which has earned accreditation with the American Association of Animal Hospitals (AAHA) twice since opening in 2015. We are the only zoo in USA to have ever earned that distinction.</p> |
| Brief description of educational programming | <p>ZooTampa at Lowry Park’s Education Department supports the Zoo’s mission with entertaining and educational programming designed to inspire guests with respect and appreciation for the natural world so that they leave the Zoo motivated and empowered to take positive conservation action. Our programs can be formal or informal, on-site or off-site, and tailored by age group and interest. The Zoo’s Florida Environmental Education Center, or “Zoo School,” is a year-round, full-time, licensed childcare center that enrolls children ages one through five. It was the first full-time, licensed childcare center operated by a U.S. zoo. Since 1988, ZooTampa has educated more than 1.8 million school-aged children throughout Tampa Bay, increasing awareness about wildlife and the ways in which students can contribute to their preservation.</p> |
| Suggested authentic activities | <p>ZooTampa is encouraging empathy, action/advocacy helping the species in both wild and manage care.</p> <p>Wildlife Actions ZooTampa Recommends:</p> <ol style="list-style-type: none"> 1. Reduce your Reliance on Single Use Plastics 2. Recognize and Choose Sustainable Seafood 3. Recognize and Choose Sustainable Palm Oil 4. Become Informed About Illegal Wildlife Trade <p>We can do this by learning about what is going on, why it matters and what you can do to help. Taking that information and sharing it with friends and family. If we amplify our commitments to species by collectively increased conservation efforts; we can positively impact local and global issues.</p> |
| Websites for reference | <ul style="list-style-type: none"> • AZA.org • Wildlifetraffickingalliance.org • Fws.gov |

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| | <ul style="list-style-type: none"> • Seafoodwatch.org • Cmzoo.org/conservation/orangutans-palm-oil.org • Climateinterpreter.org/resources |
| Recommended books for students/teachers | <p>Students</p> <ol style="list-style-type: none"> 1. I am Jane Goodall, Ordinary People Change the World by Brad Meltzer 2. The Plastic Problem: 60 Small Ways to Reduce Waste and Help Save the Earth by Lonely Planet Kids 3. What a Waste: Trash, Recycling, and Protecting our Planet by Jess French 4. 101 Small Ways to Change the World by Lonely Planet Kids <p>Teachers</p> <ol style="list-style-type: none"> 1. Zoo Animals-Behavior, Management, and Welfare By Geoff Hosey, Vicky Melfi and Shelia Pankhurst |

Session 2D, Presenter 1: **SeaWorld Parks & Entertainment**

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| Presenter's Name | Scott Gass |
| Position | VP, Zoological Design & Interpretation |
| Email | scott.gass@seaworld.com |
| Phone | 407-363-2393 |
| Organization | SeaWorld Parks & Entertainment |
| Location | Orlando, Tampa, Williamsburg, Langhorne, San Antonio, & San Diego |
| Website | seaworld.org |
| Brief description of organization | SeaWorld Parks & Entertainment™ is a leading theme park and entertainment company providing experiences that matter and inspiring guests to protect animals and the wild wonders of our world. We are one of the world's foremost zoological organizations and a global leader in animal husbandry, behavioral management, veterinary care and animal welfare. We also rescue and rehabilitate marine and terrestrial animals that are ill, injured, orphaned or abandoned, with the goal of returning them to the wild. |
| Brief description of educational programming | <p>SeaWorld Parks & Entertainment delivers educational experiences intended to create a deeper understanding, respect, and desire to protect all wildlife.</p> <p>The numerous informal learning experiences inside our parks include educators, show and exhibit narrations, and interpretive and interactive graphics. Additionally, our award-winning education programs help schools, teachers, children, and adults explore the world and learn about animals through:</p> <ul style="list-style-type: none"> • Camp programs • Instructional field trips • Animal information website • National awards programs • Teacher workshops and resources |
| Suggested authentic activities | https://seaworld.org/teachers/classroom-activities/ |
| Websites for reference | Learn more about our educational opportunities by visiting SeaWorld.org |

Session 2D, Presenter 2: Lemur Conservation Foundation, Myakka City, FL

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| Presenter's Name | Katie Virun |
| Position | Education Manager & Keeper |
| Email | kvirun@lemurreserve.org |
| Phone | 941-233-8494 |
| Organization | Lemur Conservation Foundation |
| Mission | The Lemur Conservation Foundation is dedicated to the preservation and conservation of the primates of Madagascar through managed breeding, scientific research, education, and art. |
| Location | Myakka City, Florida |
| Website | www.lemurreserve.org |
| Primary email for follow-up | kvirun@lemurreserve.org |
| Brief description of organization | LCF is a comprehensive conservation organization where art complements science, research dovetails with education, and a breeding program in the United States provides a genetic safety net for lemurs on the brink of extinction. Half our team works in Myakka City, FL while the other half works with conservation partners and communities bordering protected lemur habitats on-the-ground in the northeast region of Madagascar. |
| Brief description of educational programming | LCF works with teachers, educators, and students around the world to promote a better understanding of Madagascar's primates. Our keystone education program is the Ako Conservation Education Program that helps foster an appreciation for the natural world. Lesson plans, games, books, posters and more immerse students into the world of lemurs and allow them to acquire age-appropriate skills to address conservation concerns. |
| Suggested authentic activities | Research and implement sustainable products that help Malagasy people working to protect lemurs and their habitat. |
| Websites for reference | https://www.lemurreserve.org/ako-project/ https://www.lemurreserve.org/am-i-like-a-lemur/ https://www.lemurreserve.org/rainforest-class-trip-films-debut/ |
| Recommended books for students/teachers | The Ako Series by Alison Jolly - These six colorful children's books inspire families to care deeply about lemurs, Madagascar, and its people. The simple, yet scientifically accurate series is a magical way for children all over the world to develop deeper respect, compassion, and appreciation for nature and the world around them. |

Session 2E, Presenter 1: Chicago Zoological Society, Brookfield, IL

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| Presenters' Names | Jennifer Noncek-Eastman |
| Positions | Jennifer Noncek-Eastman - Training Coordinator |
| Email | Jennifer.Noncek-Eastman@czs.org |
| Phone | 708-688-8437 |
| Organization | Chicago Zoological Society |
| Mission | The Chicago Zoological Society's mission is to inspire conservation leadership by engaging people and communities with wildlife and nature. |
| Location | Brookfield, IL |

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| Website | Czs.org |
| Primary email for follow-up | Jennifer.Noncek-Eastman@czs.org |
| Brief description of organization | Brookfield Zoo is in the Chicago suburb of Brookfield, IL. It houses around 450 species of animals in an area of 216 acres. Since the opening of Brookfield Zoo in 1934, the Chicago Zoological Society has had an international reputation for taking a cutting-edge role in animal care and conservation of the natural world. |
| Brief description of educational programming | We offer programming from toddlers to adults. Programs include Family Play Programs, Spring, Summer and Winter Camps for preschool through 8th grade kids, The King Conservation Scholars program for high school students. Internships for college students, and finally adult education that exists of teacher professional development and a master's degree program. |
| Websites for reference | <ul style="list-style-type: none"> • www.Czs.org/teacherclasses • www.czs.org/playprograms • www.czs.org/aip • www.czs.org/NatureStartCourse • www.czs.org/Centers-of-Excellence/Center-for-Conservation-Leadership/Internships.aspx |

Session 2E, Presenter 2: **Cosley Zoo, Wheaton, IL**

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| Presenter's Name | Tami Romejko |
| Position | Education & Guest Experiences Manager |
| Email | tromejko@wheatonparks.org |
| Phone | 630-510-5040 |
| Organization | Cosley Zoo |
| Mission | To create connections between people and animals that will inspire lifelong conservation of the natural world. |
| Location | Wheaton, IL |
| Website | cosleyzoo.org |
| Primary email for follow-up | education@cosleyzoo.org |
| Brief description of organization | Nestled on 5 acres, Cosley Zoo is home to farm animals and native Illinois wildlife. Visitors will discover exhibits that immerse them in natural habitats for white-tailed deer, red fox, Blanding's turtles, a bobcat, a coyote, and more. |
| Brief description of educational programming | Cosley Zoo is a center for education and conservation, offering programs that teach people of all ages how to care for the world around them. Education programs many standards for ages 3 and up. Virtual programs are available. |
| Suggested authentic activities | Introduce students to the practice of biomimicry or habitat design and challenge them to design a real-world solution to a problem related to either of these topics. |
| Websites for reference | cosleyzoo.org |
| Recommended books for students and teachers | The Salamander Room by Anne Mazer |

Session 2E, Presenter 2: Racine Zoo, Racine, WI

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| Presenter's Name | Aszya Summers |
| Position | Curator of Animal Care and Conservation Education |
| Email | asummers@racinezoo.org |
| Phone | 262-635-7959 |
| Organization | Racine Zoo |
| Mission | To foster an enlightening and affordable wildlife experience that improves the bond between people and nature. The Society will provide for the recreation and education of the people, the conservation of wildlife and wild places, and the advancement of science. |
| Location | Racine, WI along Lake Michigan, an hour north of Chicago |
| Website | www.racinezoo.org |
| Primary email for follow-up | education@racinezoo.org |
| Brief description of organization | The Racine Zoo cares for approximately 75 species of animals from around the world. A 28-acre zoo nestled along the shores of Lake Michigan, our zoo prides itself on an expansive and multifaceted educational programs and friendly, personable staff. |
| Brief description of educational programming | Virtually, we offer a variety of animal chats, mini programs, and full programs for small fees ranging from \$60-\$100. We also offer high school internship programs for local students to learn about global conservation and earn a stipend. Additionally, we offer grant-funded programs at K, 3, 4, 7, and 9 grade levels free to public districts in our county aligned to state and national science standards. |
| Suggested authentic activities | Visit our Bringing the Zoo to You webpage (https://www.racinezoo.org/content/bringing-zoo-you) for nature challenges, educational crafts, coloring pages, and tons of free video content, including a 13-episode TV series that goes behind the scenes of our zoo! |
| Websites for reference | www.racinezoo.org |
| Recommended books for students/teachers | What Do You Do With A Tail Like This? Steve Jenkins and Robin Page I See A Kookaburra Steve Jenkins and Robin Page |

Session 2F, Presenter 1: John Ball Zoo, Grand Rapids, MI

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| Presenter's Name | Rhiannon Mulligan |
| Position | Education Manager |
| Email | rmulligan@jbzoo.org |
| Phone | 616-336-4301 x3001 |
| Organization | John Ball Zoo |
| Mission | John Ball Zoo inspires our community to be active participants in the conservation of wildlife and our natural environment. |
| Location | Grand Rapids, MI |
| Website | jbzoo.org |
| Primary email for follow-up | education@jbzoo.org |

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| Brief description of organization | John Ball Zoo is situated in a 100-acre park with the zoo occupying 30 acres. It is home to 200 species and over 2200 individual animals. John Ball Zoo has been accredited by AZA since 1985 and participates in 34 species survival plans and 5 SAFE programs. |
| Brief description of educational programming | John Ball Zoo offers a variety of in-person and virtual programs for community groups and schools pre-K through college. Programs include STEM based, design thinking lessons. |
| Suggested authentic activities | John Ball Zoo will share ideas on how to actively monitor native spp. of reptiles and amphibians in your local area, including school yards, neighboring parks, or your own backyard! Resources also include ideas on building observation skills like ethograms and STEM based, design thinking-based lessons. |
| Websites for reference | https://www.jbzoo.org/education/resources |
| Recommended books for students/teachers | The Nature Connection: An Outdoor Workbook for Kids, Families, and Classrooms by Claire Walker Leslie |

Session 2F, Presenter 2: **Lincoln Park Zoo, Chicago, IL**

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| Presenters' Names | Rosie Arnold |
| Positions | Rosie Arnold - Formal Programs Manager |
| Email | rarnold@lpzoo.org |
| Phone | 260-403-6263 (cell); 312-742-6690 (office) |
| Organization | Lincoln Park Zoo |
| Mission | Lincoln Park Zoo is dedicated to connecting people with nature by providing a free, family-oriented wildlife experience in the heart of Chicago and by advancing the highest quality of animal care, education, science, and conservation. |
| Location | Chicago, IL |
| Website | www.lpzoo.org |
| Primary email for follow-up | rarnold@lpzoo.org |
| Brief description of organization | Lincoln Park Zoo sits on 49 acres in the heart of Chicago, right next to Lake Michigan. Opened in 1868, it is one of the oldest zoos in the nation and the only privately managed, free zoo in the country. As a proud member of the Association of Zoos and Aquariums, we are home to approximately 200 species of animals. The zoo is also an accredited arboretum, and more than 1200 species of plants are cultivated on our grounds. Lincoln Park Zoo is committed to excellence in animal care, conservation, and building connections with communities in the city of Chicago. |
| Brief description of educational programming | Lincoln Park Zoo offers a variety of educational programs for K-12 audiences. Each of these is currently being done virtually. <ul style="list-style-type: none"> • Zoo Investigations- Students take on the role of zoo scientists as they investigate real animal care challenges. Programs are for students in grades K-5 and focus on one of the following- polar bear, chicken, and gorilla. (This is the program I'd most prefer to highlight for the summit.) • Partners in Fieldwork- Students become young field researchers in this yearlong partnership program for teachers and their students in grades 7-12. Students learn |

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| | <p>about the research process by posing scientific questions about urban wildlife, gathering data in outdoor spaces, conducting analysis and presenting their findings.</p> <ul style="list-style-type: none"> • Canvas for Conservation- Students in grades 9-12 learn about vulnerable species over the course of the school year and complete art projects promoting conservation efforts. |
| Suggested authentic activities | <p>Lincoln Park Zoo Educator Resources: https://www.lpzoo.org/resources/resources-for-educators/</p> <p>Polar Bears International Tundra Connections: https://www.discoveryeducation.com/learn/tundra-connections/</p> |
| Websites for reference | <p>The Beetles Project: www.Beetlesproject.org</p> <p>Children and Nature Network: https://www.childrenandnature.org/;</p> <p>North American Association for Environmental Education: www.naaee.org; Polar Bears International: https://polarbearsinternational.org/</p> |
| Recommended books for students and teachers | <p>The One and Only Ivan by Katherine Applegate; We are Water Protectors by Carole Lindstrom; One Plastic Bag by Miranda Paul; Last Child in the Woods by Richard Louv</p> |

Session 2F, Presenter 3: Shedd Aquarium, Chicago, IL

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| Presenter's Name | Max Metz Jr. |
| Position | Manager of School and Teacher Programs |
| Email | mmetz@sheddaquarium.org |
| Phone | 312-692-3165 |
| Organization | Shedd Aquarium |
| Mission | Sparking compassion, curiosity and conservation for the aquatic animal world. |
| Location | Chicago, Illinois, USA |
| Website | www.sheddaquarium.org |
| Primary email for follow-up | learning@sheddaquarium.org |
| Brief description of organization | Here, there and everywhere, Shedd Aquarium connects nature lovers and animal enthusiasts with the aquatic animal world. Beluga encounters, beach clean-ups and 360 virtual dives with Caribbean reef sharks are all tools that deepen connections with wildlife and work toward our vision. |
| Brief description of educational programming | Schools continue to choose Shedd to be a trusted destination and key partner to fulfill their curriculum goals and resource needs. Our comprehensive field trip program happens on-site, online and in the community. Programs and resources are scalable, personalized and align to Amplify Science, NGSS and Common Core Standards. These programs and resources will help prepare students and teachers to love, understand and protect the aquatic natural world. |
| Suggested authentic activities | <p>Live from Behind the Scenes Virtual Field Trips – penguins, sharks, Amazonian animals, and turtles.</p> <p>Learning Labs – water testing and dissection</p> |

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| | Stay Home with Shedd – Video Series + Activities |
| Websites for reference | <ul style="list-style-type: none"> • www.sheddaquarium.org/educators • All Midwest/Chicagoland Group resources: https://airtable.com/shrlh001A3VhT7xzo/tblzOMvvXmvMRMzqr |
| Recommended books for students and teachers | <ul style="list-style-type: none"> • The Ptarmigan's Dilemma (High School) • Shark Lady: The True Story of How Eugenie Clark Became the Ocean's Most Fearless Scientist (Elementary School) • Ocean: A Visual Encyclopedia (Middle School) |

Session 2G: Presenter 1: Dallas Zoo, Dallas, TX

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| Presenter's Name | Marti Copeland |
| Position | Senior Director of Education |
| Email | Marti.Copeland@DallasZoo.com |
| Phone | 469-554-7304 |
| Organization | Dallas Zoo, part 1 of Texas presentation |
| Mission | Engaging People & Saving Wildlife |
| Location | Dallas, Texas |
| Website | www.DallasZoo.com |
| Primary email for follow-up | Marti.Copeland@DallasZoo.com |
| Brief description of organization | The Dallas Zoo is dedicated to creating a better world for animals. Named one of the nation's Top 10 Zoos by USA Today, it is the largest zoological experience in Texas. The zoo has been accredited continuously by the Association of Zoos & Aquariums since 1985, and features a 106-acre park, thousands of animals, and an education department that offers programs for all ages. |
| Brief description of educational programming | The Dallas Zoo has a large educational component including outreach, on-grounds experiences, and public programs. Zoo educators provide teacher resources and school programs to support active learning and inspire conservation action. |
| Suggested authentic activities | Dallas Zoo Corps is a customizable project-based learning partnership available to schools and other organized groups. Teachers or group leaders receive training and resources from Dallas Zoo education staff for facilitating student-led small groups focused on wildlife conservation. Zoo experts provide targeted instruction and background information as students research conservation threats then design, implement, and present a solution. |
| Websites for reference | <ul style="list-style-type: none"> • https://www.dallaszoo.com/protecting-the-twelve/ • http://reverselitter.com/tenontues/ • https://www.litterati.org/ |
| Recommended books for students and teachers | <ul style="list-style-type: none"> • A Sand County Almanac by Aldo Leopold • Biophilia by E. O. Wilson • The Table Where Rich People Sit by Byrd Baylor • I'm In Charge of Celebrations by Byrd Baylor |

Session 2G, Presenter 2: El Paso Zoo, El Paso, TX

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| Presenter's Name | Rick LoBello |
| Position | Education Curator |
| Email | lobellorl@elpasotexas.gov |
| Phone | 915-217-4233 |
| Organization | El Paso Zoo, Part 2 of Texas Presentation |
| Mission | Our <i>mission</i> is to celebrate the value of animals and natural resources and to create opportunities for people to rediscover their connection to nature. |
| Location | El Paso Zoo, El Paso Texas |
| Website | https://elpasozoo.home.blog/ |
| Primary email for follow-up | Rick LoBello |
| Brief description of organization | The 35-acre facility houses animals representing over 220 species, including such critically endangered species as the Amur leopard and the Aruba rattlesnake. The Zoo contains animals in three major areas - Animals of Africa, Animals of Asia, and Animals of the Americas. |
| Brief description of educational programming | The Zoo offers both informal and formal programming. Formal programming for schools is currently offered only virtually. Our school programs are TEKS-aligned & STEAM-focused. Our Education Specialists are ready to present a wide variety of programs, including custom programs! Both our Public Zoo Adventure Programs and Private Group Zoo Adventure Programs provide the perfect opportunity to learn about WILDLIFE and WILD PLACES from the safety and comfort of home. |
| Suggested authentic activities | Part 2 of our presentation will describe our new Wild About Art program. Inspired by a large new wolf sculpture located at the entrance of the Zoo's new \$16 million Chihuahuan Desert Exhibit, the El Paso Zoo has launched a new Art as a Conservation Tool program inviting students to participate in a project that will shine a light on the Mexican wolf and the actions underway to save the species from extinction with a focus on Texas. Over the past year over 20,000 zoo visitors signed Sierra Club letters asking Texas Parks and Wildlife to support a wolf reintroduction effort. |
| Websites for reference | <ul style="list-style-type: none"> • https://returnthewolftotexas.com • https://wolf.org/programs/educator-resources-wolf-link/ • https://www.fws.gov/southwest/es/mexicanwolf/ • https://mexicanwolves.org/ |
| Recommended books for students/teachers | <ul style="list-style-type: none"> • Once A Wolf: How Wildlife Biologists Fought to Bring Back the Gray Wolf by Stephen Swinburne and Jim Brandenburg • Face to Face with Wolves (Face to Face with Animals) by Jim Brandenburg and Judy Brandenburg • Gray Wolves (Nature's Children) by Lisa M. Herrington • What If There Were No Gray Wolves?: A Book About the Temperate Forest Ecosystem (Food Chain Reactions), Part of: Food Chain Reactions (4 Books) by Suzanne Buckingham Slade and Carol Schwartz |

Session 2H, Presenter 1: Point Defiance Zoo and Aquarium, Tacoma, WA

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| Presenter's Name | Cathleen McConnell |
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| Position | Conservation Engagement Programs Coordinator |
| Email | Cathleen.mcconnell@pdza.org |
| Phone | 253-404-3666 |
| Organization | Point Defiance Zoo & Aquarium |
| Mission | Point Defiance Zoo & Aquarium practices and promotes effective conservation on behalf of the world's wildlife. |
| Location | Tacoma, Washington |
| Website | Pdza.org |
| Primary email for follow-up | Cathleen.mcconnell@pdza.org |
| Brief description of organization | We are a zoo with two aquariums (South Pacific and Pacific Seas), home to over 9,000 specimens representing 367 animal species. Habitats represented include Rocky Shores (marine mammals and seabirds), SE Asian Forest Sanctuary, Arctic Tundra, Red Wolf Woods and a variety of species in our Kids' Zone and Wild Wonders animal ambassador program. |
| Brief description of educational programming | Currently – ZooQuarium Online for teachers, group leaders and families learning at home. During “normal times” – Summer and Winter camp for ages 4-17, Youth Volunteer Team, Zoo Snooze, Career Discovery (Keeper for a Day, Marine Biologist for a Day), Critter Club (ages 3-5). Previously offered PD for local teachers - Animal Systems (K-2), Ecosystems (3-5) and Climate Change (K-5) and (MS/HS). |
| Suggested authentic activities | <p>Fostering Empathy for Animals</p> <p>Activate Imagination</p> <ul style="list-style-type: none"> Physical mimicry: <ul style="list-style-type: none"> Physically moving or perceiving the world through another's perspective. Through kinesthetic empathy we can better understand the attitudes or motor intentions of an animal just by moving as they do. Talk about reactions and emotions during role play: <ul style="list-style-type: none"> Role-playing involves taking on the identity of the animal, either based on concrete observations or species knowledge, then interacting with others or the environment as that animal. Encourage identification with characters in stories (see recommended book list) <p>Similarities & Differences (see recommended book list)</p> <ul style="list-style-type: none"> With animals that are very different, talk about some similarities With animals that are similar, highlight some of the differences <p>Direct Experiences With Animals</p> <ul style="list-style-type: none"> Encourage observations of animal movement and ask prompting questions Refer to animals using she/he pronouns and names <p>Perspective Taking</p> <ul style="list-style-type: none"> Ask prompting questions to encourage this <p>Model & Reinforce Empathic Behavior</p> <ul style="list-style-type: none"> Make caring obvious in interactions Be transparent & communicative with your interactions Provide positive reinforcement when children are interacting with an animal |
| Websites for reference | <ul style="list-style-type: none"> ZooQuarium Online Learning - Point Defiance Zoo & Aquarium (pdza.org) Educator Tools National Wildlife Federation (nwf.org) Videos - NWF Ranger Rick Awesome Animal Vets (nationalgeographic.com) Videos San Diego Zoo Kids (including live cams) |

**Recommended books
for
students/teachers**

Empathy: (PrK-5)

- “The Animal in Me is Very Plan to See” Laurie C. Tye
- “The Animal in Me, Too” Laurie Tye
- “Hank’s Big Day” Evan Kuhlman
- “My Awesome Summer by P. Mantis” Paul Meisel
- “A House in the Sky” Steve Jenkins
- “Just Like You and Me” David Miller
- “Animals Do, Too!” Etta Kaner
- “Oliver’s Otter Phase” Lisa Connors
- “Tale of Two Beasts” Fiona Robertson
- “If I Were a Lizard” Kidsbooks (board book)
- “Owl Babies” Martin Waddell
- “Hello Baby!” Mem Fox (Steve Jenkins)
- “How Animal Babies Stay Safe” Mary Ann Fraser
- “What Would it Be Like to Be a Fish?” Wendy Pfeffer
- “Bat Loves the Night” Nicola Davies”
- “Do Beavers Need Blankets?” Stan Tekiela
- “Fur, Feather, Fin—All of Us Are Kin” Diane Lang
- “The Great Kapok Tree” Lynne Cherry
- “Octavia and Her Purple Cloud” Donna and Doreen Rathmell
- “Mamma Dug a Little Den” Jennifer Ward
- “One Tiny Turtle” Nicola Davies

Conservation Action:

- “Sea Change” Joel Harper
- “Shark Lady” Jess Keating
- “The Earth Book” Todd Parr
- “I Can Save the Earth: One Little Monster Learns to Reduce, Reuse and Recycle” Alison Inches
- “Why Should I Recycle” Dr. Jen Green
- “Why Should I Save Energy?” Dr. Jen Green
- “Why Should I Save Water?” Dr. Jen Green
- “Don’t Throw That Away!” Lara Bergan

Session 2H, Presenter 2: Seattle Aquarium, Seattle, WA

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| Presenter’s Name | Sean den Bok |
| Position | School and Public Programs Manager |
| Email | s.denbok@Seattleaquarium.org |
| Phone | 206-693-6291 |
| Organization | Seattle Aquarium |
| Mission | Inspiring conservation of our marine environment |
| Location | Seattle, WA |
| Website | Seattleaquarium.org |
| Primary email for | s.denbok@Seattleaquarium.org |

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| follow-up | |
| Brief description of organization | <p>The Seattle Aquarium is the ninth largest aquarium in the U.S. by attendance and among the top five paid visitor attractions in the Puget Sound region. Since its opening, the aquarium has hosted over 27 million visitors and provided marine conservation education to two million school children. The Seattle Aquarium is proud to be accredited by the Association of Zoos and Aquariums.</p> <p>Opened in 1977, the Seattle Aquarium was owned and operated by the City of Seattle Department of Parks and Recreation until 2010, when the nonprofit Seattle Aquarium Society assumed its management – a model used by most leading zoos and aquariums across the country.</p> <p>Currently, the Aquarium’s animal collection is housed within six major exhibits: Window on Washington Waters, Life on the Edge, Pacific Coral Reef, Birds & Shores, the Underwater Dome and Marine Mammals.</p> <p>The mission, Inspiring Conservation of Our Marine Environment, is reflected in exhibits, events, conservation and education programs, research activities and more. This important work is possible with the support from the community, members, staff and volunteers.</p> |
| Brief description of educational programming | <p>The COMMUNITY SCIENCE program is a hands-on, inquiry-based marine science education program designed to spark Puget Sound high school students’ interest in marine science. Student scientists collect nearshore monitoring data and study scientifically defensible species in abundance at nine local beaches. Data collected is used by government and environmental agencies.</p> <p>The DISTANCE LEARNING program is designed to enhance school curriculum with digital learning opportunities. Students meet aquarium educators through video conferencing to experience online versions of in-person programs.</p> <p>BEACH NATURALISTS are on the beaches engaging the public, teaching about the tidepools, practicing physical distancing during select low tides as conditions allow.</p> <p>The CEDAR RIVER SALMON JOURNEY provides education about the challenges faced by local salmon and demonstrates ways to keep salmon coming back to the river where they were born.</p> <p>FOSTERING EMPATHY FOR WILDLIFE is a key motivator for Inspiring Conservation of Our Marine Environment. Grant-funded initiatives have laid the groundwork for best practices, enhanced visitor programming and principles for empathy of animals.</p> |
| Suggested authentic activities | <p>Community Science Program, explore the beach or rivers with a Naturalist, engage in the distance learning program, participate in the youth Ocean Career Series, enjoy the Catastrophe by the Sea puppet show and teacher resources, read the Social Emotional Learning Marine Science Journal, take a virtual tour of the Aquarium</p> |
| Websites for reference | <ul style="list-style-type: none"> • https://www.seattleaquarium.org/who-we-are • https://www.seattleaquarium.org/experience-the-aquarium-anywhere • https://www.seattleaquarium.org/programs • https://www.seattleaquarium.org/community-science • https://www.seattleaquarium.org/teacher-resources • https://www.seattleaquarium.org/events/ocean-career |
| Recommended books for students/teachers | <ul style="list-style-type: none"> • Catastrophe by the Sea children’s book, https://www.seattleaquarium.org/blog/catastrophe-childrens-book |

Session 21, Presenter 1: Northwest Trek Wildlife Park, Eatonville, WA

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|---|--|
| Presenter's Name | Jessica Moore |
| Position | Education Curator |
| Email | Jessica.moore@nwtrek.org |
| Phone | 360-832-7160 |
| Organization | Northwest Trek Wildlife Park |
| Mission | Northwest Trek Wildlife Park is dedicated to conservation, education, and recreation by displaying, interpreting and researching native Northwest wildlife and natural habitats. |
| Location | Eatonville, WA |
| Website | Northwest Trek Wildlife Park - native Northwest animals in Eatonville, WA (nwtrek.org) |
| Primary email for follow-up | Jessica.moore@nwtrek.org |
| Brief description of organization | Northwest Trek Wildlife Park is a 725-acre wildlife park featuring over 200 individual animals from 35 different native Pacific Northwest wildlife species. The park offers a traditional walking portion and a signature vehicle tour through the 453-acre Free Roaming Area habitat. |
| Brief description of educational programming | Northwest Trek Wildlife Park offers a variety of live, online programming as well as in-person education opportunities (when permitted.) Virtual programs are 45-minute, live, interactive programs while in person programs range from 30 minute nature walks to 2 hour scavenger hunt style programming. All programs feature native Pacific Northwest Wildlife and often times incorporate relevant conservation messages and actions. |
| Suggested authentic activities | <ul style="list-style-type: none"> • 45 minute naturalist guided vehicle tour through the Free-Roaming Area habitat to see hoof stock including Bison, Big Horn Sheep, Mountain Goats, Moose, Roosevelt Elk, Black-tail Deer and Caribou. • Wild Escape – escape-room style program around the walking portion of the park to explore native wildlife, conservation topics and solve a conservation mystery! • Online Wildlife Academy – live, virtual programs covering a variety of native species and conservation topics. |
| Websites for reference | Northwest Trek Wildlife Park - native Northwest animals in Eatonville, WA (nwtrek.org) |
| Recommended books for students/teachers | At the Forest's Edge: Memoir of a Physician-Naturalist |

Session 21, Presenter 2: Oregon Coast Aquarium, Newport, OR

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|-------------------------|---|
| Presenter's Name | Jeff Harms |
| Position | Education Manager |
| Email | Jeff.harms@aquarium.org |
| Phone | 541-867-3474 x. 1148 |
| Organization | Oregon Coast Aquarium |
| Mission | Our Mission is to create unique and engaging experiences that connect you to the Oregon |

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|---|---|
| | coast and inspire ocean conservation. |
| Location | Newport, OR |
| Website | Aquarium.org |
| Primary email for follow-up | Jeff.harms@aquarium.org |
| Brief description of organization | The Oregon Coast Aquarium is a 501(c)3 nonprofit located in Newport, Oregon. We focus on Oregon Coast flora and fauna and see roughly 500,000 visitors per year. |
| Brief description of educational programming | We usually offer on-site programming for K-College including lab programs sleepovers, and Behind the Scenes tours. We typically travel to schools in Oregon and surrounding states for 21 weeks of outreach. Those programs have been put on hold and we are focusing on creating virtual programming. We have hosted a number of virtual career chats, job shadow opportunities and live Q&A's in front of our shark exhibit. We are working to convert 2 of our labs to a virtual format as well. |
| Suggested authentic activities | Tide pool explorations using proper tide pool etiquette, exploring plankton in local water body, drawing and labeling parts of animals and plants, thinking of human inventions that may have been inspired by animals/ nature. Designing your own fish and explaining why it looks the way it does. |
| Websites for reference | Aquarium.org, www.oceanscape-aquarium.org |

Session 21, Presenter 3: Oregon Zoo, Portland, OR

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| Presenter's Name | Kimm Fox-Middleton |
| Position | Education Manager & Manager of Inspiration and Connection |
| Email | Kimm.fox-middleton@oregonzoo.org |
| Phone | 971.278.4120 |
| Organization | Oregon Zoo |
| Mission | Creating a better future for wildlife |
| Location | Portland, OR |
| Website | www.oregonzoo.org |
| Primary email for follow-up | Kimm.fox-middleton@oregonzoo.org |
| Brief description of organization | Oregon Zoo is in Washington Park near downtown Portland. Founded in 1888, it is the oldest zoo west of the Mississippi River. The 64-acre (26 ha) zoo is owned by the regional Metro government. It currently holds more than 1,800 animals of more than 230 species, including 19 endangered species and 9 threatened species. |
| Brief description of educational programming | Facebook Live highlighting various residents of the Oregon Zoo. A keeper shares the natural history as well as the care and feeding of a species during a live broadcast over Facebook. Included on the website are activities that families are able to do at home for a deeper understanding of the highlighted species. |
| Websites for reference | <ul style="list-style-type: none"> • https://www.oregonzoo.org/discover/activities • https://www.oregonzoo.org/conservate • https://www.oregonzoo.org/conservate/small-actions • https://www.oregonzoo.org/conservate/non-lead-hunting-education-program |



Summit Contact List

Plan It for the Planet Environmental Summit Contact List

| LEADERSHIP & SPEAKERS | | | | |
|--------------------------|---|-------|-------------------------|--|
| Category | Agency | | Contact | Email |
| Partners | Association of Zoos and Aquariums (AZA) | | Amy Rutherford | arutherford@aza.org |
| | The Florida Aquarium (FLAQ) | | Debbi Stone | dstone@flaquarium.org |
| Keynote Speaker | Danni Washington | | Danni Washington | danni@danniwashington.com |
| | | | Michelle Swaby | manager@danniwashington.com |
| Student Speaker | Climate Accelerator Solutions | | Anna Cerosaletti | Daniels.cerosaletti@gmail.com |
| NATIONAL PRESENTERS (NP) | | | | |
| Category | Agency | Group | Contact | Email |
| NP | National Network of Ocean and Climate Change Institute (NNOCCI) | 1A | Andrea Stein* | astein@rwpzoo.org |
| | | | Adam Ratner | ratnera@tmmc.org |
| NP | National Oceanic and Atmospheric Administration (NOAA) | 1B | Bekkah Lampe | Bekkah.lampe@noaa.gov , education@noaa.gov |
| | | | Claire Fackler | Claire.fackler@noaa.gov |
| | | | Bruce Moravchik | Bruce.moravchik@noaa.gov |
| NP | North American Association of Environmental Education (NAAEE) | 1C | Anne Umali | anne@naaee.org |
| | | | Judy Braus | judybraus@email.com |
| NP | US Fish and Wildlife Service (USFWS) | 1D | Nathaniel Hawley | Nathaniel_hawley@fws.gov |
| | | | Leah Schrodtt | Leah_schrodtt@fws.gov |
| | | | Randy Robinson | Randy_robinson@fws.gov |
| | | | Mark Madison | Mark_madison@fws.gov |
| REGIONAL PRESENTERS (RP) | | | | |
| Region | Agency | Group | Contact | Email |
| New England | Beardsley Zoo | 2A | Jackie Westlein | jwestlein@beardsleyzoo.org |
| | The Maritime Aquarium @ Norwalk | 2A | Thomas Naiman | tnaiman@maritimeaquarium.org |
| | Buttonwood Park Zoo | 2B | Carrie Hawthorne | Carrie.hawthorne@newbedford-ma.gov |
| | Mystic Aquarium | 2B | Kelly Matis | kmatis@mysticaquarium.org |
| | Roger Williams Park Zoo | 2B | Andrea Stein* | astein@rwpzoo.org |
| Florida | Brevard Zoo | 2C | Janelle Cummins | jcummins@brevardzoo.org |
| | The Florida Aquarium | 2C | Debbi Stone | dstone@flaquarium.org |
| | ZooTampa @ Lowry Park | 2C | Jennifer Mclachlan | Jennifer.mclachlan@lowryparkzoo.com |
| | SeaWorld Parks & Entertainment | 2D | Scott Gass | Scott.gass@seaworld.com |
| | Lemur Conservation Foundation | 2D | Katie Virun | Kvirun@lemurreserve.org |
| | Chicago Zoological Society | 2E | Jennifer Noncek-Eastman | Jennifer.noneck-eastman@czs.org |
| | Cosley Zoo | 2E | Tamra Romejko | tromeiko@wheatonparks.org |

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|--------------------------|-------------------------------|----|------------------------|--|
| | Racine Zoo | 2E | Aszya Summers | asummers@racinezoo.org |
| | John Ball Zoo | 2F | Rhiannon Mulligan | rmulligan@jbzoo.org |
| | Lincoln Park Zoo | 2F | Rosie Arnold | rarnold@lpzoo.org |
| | Shedd Aquarium | 2F | Max Metz | mmetz@sheddaquarium.org |
| Texas | Dallas Zoo | 2G | Marti Copeland | Marti.copeland@dallaszoo.com |
| | El Paso Zoo | 2G | Rick LoBello | lobellori@elpasotexas.gov |
| Pacific Northwest | Point Defiance Zoo & Aquarium | 2H | Cathleen McConnell | Cathleen.mcconnell@pdza.org |
| | Seattle Aquarium | 2H | Sean den Bok | s.denbok@seattleaquarium.org |
| | Northwest Trek Wildlife Park | 2I | Jessica Moore | Jessica.moore@nwtrek.org |
| | Oregon Coast Aquarium | 2I | Jeff Harms | Jeff.harms@aquarium.org |
| | Oregon Zoo | 2I | Kimm Fox- Middleton | Kimm.fox-middleton@oregonzoo.org |



Environmental Education Plan for Action

Environmental Education Plan for Action

We are hopeful that the Plan It for the Planet Environmental Education Summit has provided you with information and contacts that will inspire and support you in designing a hands-on Plan for Action with your students for making a difference in your school, community, or the greater world.

Please let us know a few details of your intended plan.

| | |
|---|--|
| Teacher's name | |
| Grade/subject taught | |
| School name | |
| School city/state | |
| Focus for Plan for Action | |
| Approximate number of students involved | |
| Intended timeframe | |
| Anticipated outcome(s) for students | |
| Possible partnerships with other classes, grades, adults and/or agencies | |
| Possible audiences for sharing results of plan | |

If you'd prefer to download and type in your responses, you can find a copy of this evaluation, [here](#).

Please submit your form by June 1, 2021 to Dale Bernardoni at dale@fundforteachers.org.



Post Event Survey

Post Event Survey

We are so glad you could join our summit, Plan It for the Planet! We hope you found the presenters engaging, and the materials presented helpful to your practice.

In order to continue providing content that is valuable to you and your students, we would appreciate your feedback on the event.

Please take a few minutes to respond to this evaluation:

<http://survey.constantcontact.com/survey/a07eht06es8kn9gj9hq/start>

This link will direct to an external survey via Constant Contact.



About Fund for Teachers

About Fund for Teachers

[Fund for Teachers](#) supports teacher innovation to advance student learning. Through grants for self-designed summer fellowships and for continued, collaborative opportunities for professional growth, FFT respects the power of teachers to transform learning for themselves, their students and school communities. As researchers, inquirers and agents of change, grant recipients infuse their classrooms with new perspectives and insights that change what and how students learn.

Fund for Teachers awards individual teachers up to \$5,000 and teams up to \$10,000 for summer fellowships, totaling more than \$33 million to almost 9,000 public, private and charter schoolteachers across the country since 2001. Beginning this year, these grant recipients are also eligible for \$1,000 Innovation Grants to collaborate with other FFT Fellows around shared topics of interest for student impact.

The online application for summer grants opens in early October and closes in late January. Volunteers from the corporate, civic and educational communities, including previous grant recipients, help select the new cohort of Fellows, who are notified in the spring. Both fellowships and Innovation Circles take place over the summer. Teachers who are invited to propose summer fellowships will have taught in a preK-12 classroom for 50% of the instructional day for a minimum of three years and intend to return to the classroom the school year following their fellowship.

Visit FFT's [Fellow Database](#) to be inspired by our Fellows, their projects and impact. You can also follow FFT on [Facebook](#), [Instagram](#), [Twitter](#), as well as on our [blog](#) and [podcast](#) which elevate teachers as the architects of their classrooms and careers.



CONTACT US

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