

2014 ANJEE CONFERENCE WORKSHOP DESCRIPTIONS

Workshop #1

Title: Encouraging Wetlands Conservation & Stewardship through the Junior Duck Stamp Program

Presented by: Sue Slotterback, Environmental Educator, Wetlands Institute

Going beyond the art contest, this program provides a science-based arts curriculum emphasizing conservation of wetlands. The activities may also address math, language arts, or social studies objectives, taking students from awareness to action, giving them a firm foundation to become stewards of their natural heritage. Workshop participants will receive a free curriculum guide.

Workshop #2

Title: Non-Formal Environmental Education Certification: Is it Right for NJ?

Presented by: Pat Heaney, Kateri Environmental Center

Several states have instituted certification programs for Environmental Educators. Learn what they did and discuss the possibilities of establishing a certification for New Jersey.

Workshop #3

Title: Climate Reality: The Science & Impacts of Climate Change, and What We Can Do

Presented by: Rosemary Dreger Carey, The Climate Reality Project

Despite overwhelming international scientific consensus on climate change, the global community still lacks the resolve to implement meaningful solutions. This slide show will connect the dots between the scientific data and the effects of climate change on our lives, and present solutions we can take to ensure a safe, habitable planet for future generations.

Workshop #4

Title: Our Sustainable City: Exploring Eco-Friendly Urban Design

Presented by: Jessica Pownall, Greater Newark Conservancy

Explore the environmental impacts of land use and emerging sustainable technologies in our STEM-based program. Given the knowledge and “tools” to design a sustainable city, groups prepare a 3-D model and give presentations on their proposal. This program is designed for multiple intelligences, hands-on, interactive, with extensive cooperative learning.

Workshop #5

Title: Active Reading: Utilizing Children’s Literature in Early Childhood Programing

Presented by: Stephanie Bradley, Turtle Back Zoo

Get advice on how to pick a great children’s book with tips on how to utilize and bring the story to life for early learners. Participants will have fun engaging in two program demonstrations and will take home example curriculum.

2014 ANJEE CONFERENCE WORKSHOP DESCRIPTIONS – Page 2

Workshop #6

Title: Eco-Schools USA: Inquiry-based Authentic Learning that Improves the Natural Environment

Presented by: Jennifer Dowd, NJ Audubon

How do you systemically integrate authentic learning experiences that educate for sustainability in your school for increased student achievement, increased financial savings and an improved environment? Come to this experiential workshop to learn how to use the Eco-Schools USA framework and pathways as a way to ignite environmental education in multidisciplinary fields in your school. Learn how to leverage your role to ultimately benefit students in a holistic manner for a positive environmental impact.

Workshop #7

Title: NJMEA- Creating Ocean Stewards Through Content and Experience

Presented by: Melanie Reding, Jacques Cousteau National Estuarine Research Reserve

Are you interested in teaching marine and aquatic sciences? Have you wondered how to incorporate STEM into the classroom? Come discover the many offerings of the New Jersey Marine Education Association (NJMEA) and how we can help you build future ocean stewards during this interactive workshop. Project WET Generation 2.0 Update Workshop

Workshop #8

Title: Hands-on Curriculum for a Crowded Planet

Presented by: Kevin Kopp, Environmental Youth Education Services (EYES)

Human population pressures underlie so many environmental issues including climate change, biodiversity loss, water scarcity and pollution. Explore these connections in innovative, interdisciplinary activities that promote critical thinking and problem-solving skills across the middle and secondary curriculum, and develop a sense of global citizenship.

Workshop #9

Title: Tricks of the Trail: Successfully Working with Kids Outdoors

Presented by: Jenny Gaus-Myers, Morris County Park Commission

Whether you're a school teacher or a non-formal educator, teaching children in an outdoor environment can be uniquely challenging. This workshop combines discussion and role play to teach you tools for successfully dealing with the trickiest situations and toughest kids: bug stompers, storytellers, incessant chatters, wanderers and much more!

Workshop #10**Title: Hidden in Plain Sight: the Exciting Key to a Sustainable Future****Presented by: Daniel N. Smith, Jr.**

Tired of doom and gloom? Come explore a future that is not less bad, but good! You don't want small footprints but great big flower-filled ones! We all know the basics but have yet to uncover-discover the tiniest fraction of our potential as a part of, not apart from, nature.

2014 ANJEE CONFERENCE WORKSHOP DESCRIPTIONS – Page 3

Workshop #11**Title: Homeschooling Goes Wild****Presented by: Erin Kiefer, Woodford Cedar Run Wildlife Refuge**

During the 2012-2013 school year there were approximately 58,000 homeschooled students in NJ. This session teaches participants how to start a homeschooling course, or grow one, while reaching a wide range of ages as well. Participants will try out some activities and have the opportunity to interact with live animals.

Workshop #12**Title: INCLUSIVE Environmental Ed.: Materials Showcase****Presented by: Jeniffer Obando, Meadowlands Environmental Center**

Over the last few years the MEC has worked very hard to make our park grounds as well as our programming accessible to a wide array of disabilities. Today we can proudly say that whether we have a visually impaired student wanting to “see” plankton or a wheelchair bound student who wants to go dip-netting we can accommodate them. Come see how we have made our materials accessible to various disability groups.

Workshop #13**Title: New and Improved Project Aquatic Wild****Presented by: Karen Byrne, NJ Division of Fish and Wildlife**

A new Project Aquatic WILD guide was recently released in 2013. The new guide has a new layout, new activities, new resources and more. Come explore the new guide and sample some of the new activities. Participants will receive 3 new activities from the guide.

Workshop #14**Title: Winning Strategies for Family Science Nights****Presented by: Susan Lewicki, Meadowlands Environmental Center**

Family Science Nights are alternative programs for engaging citizens of all ages in learning about our environment. The MEC will share how we have recently expanded our FSN programs, including logistics, content, and scheduling. Participants will move through an activity sampler and discuss how connecting kids, parents, and educational facilities is a win-win-win event!

Workshop #15

Title: Tailoring Your Message: Effective Advocacy Through Persuasive Communication

Presented by: Pat Skelly, NJ Advocacy Coordinator, NAAEE Action Network

Advocacy involves winning over decision makers, whether that's a congressional representative, agency head, or the local school board. Through practice with real examples, learn how to craft messages that matter to your audience about issues that matter to you.

2014 ANJEE CONFERENCE WORKSHOP DESCRIPTIONS – Page 4

Workshop #16

Title: The Passaic River Basin Eco-Explorers Program: Engaging Urban Youth

Presented by: Kassandra Archer, Passaic River Institute at Montclair State University

Participants will be introduced to the Passaic River Basin Eco-Explorers program as a model program for urban environmental education. The format/content of the program will be presented with a focus on how to adapt the format to different budgets and time restraints.

Challenges of engaging urban youth and new ways to help the students become stewards of their urban environment will be discussed.

Workshop #17

Title: Service Learning in Environmental Studies Classes

Presented by: Robert Larsson, PhD, Sussex County Community College

Sussex County Community College has had a service learning component in its Environmental Science and Ecology classes. This presentation will look at projects that students have done, lessons learned, partners, opportunities and challenges. We will discuss how to set up programs and how to improve existing programs.

Workshop #18

Title: Did the Native Americans Use STEM?

Presented by: Anne Price, Kateri Environmental Center

Join us and discover ways that science, technology, engineering and math were a part of the Native American culture. After a presentation, participants will create their own tools using natural items in ways similar to the Lenni Lenape. "A literate nation not only reads. It computes, investigates and innovates." (ChangeTheEquation.org)

Workshop #19

Title: Be a Good Egg: Sharing the Beach with Nesting Birds

Presented by: Sam Wilson, NJ Audubon Nature Center of Cape May

Cultivating environmental stewardship begins with education. The Be a Good Egg program raises awareness of the plight of beach nesting birds and involves students in the effort to communicate with the public to 'share the beach' and help protect beach nesting birds and their young.

Workshop #20

Title: Aquatic Robotics: Rising to the Sea Perch Challenge

Presented by: Julie Karavan, Rutgers Cooperative Extension: 4-H Youth Development

Beyond building underwater robots, the Greater Philadelphia SeaPerch Challenge offers a powerful opportunity for students to develop key competencies required of informed citizens. Receive information on the SeaPerch competition, grant and professional development opportunities, and tips from the coach of the 2013 Overall Winner in the High School Division.

2014 ANJEE CONFERENCE WORKSHOP DESCRIPTIONS – Page 5

Workshop #21

Title: Health in the City: A Look at Better Food Choices!

Presented by: Renee Kee, Greater Newark Conservancy

Part of having a healthy environment includes having healthy people. This workshop will explore different techniques that this environmental organization uses to promote healthy living in urban areas. You will also find out how promoting gardens and farms helps to improve the food environment and thereby creating a healthier community.

Workshop #22

Title: Rain barrels: teaching active citizenship from pre-school to adulthood

Presented by: Pat Rector, Rutgers Cooperative Extension, New Jersey Agricultural Experiment Station

Rain barrels provide a flexible, fun, hands-on teaching tool providing an opportunity to teach programs ranging from pre-school to the adult community. Rain barrels are installed at residences and schools, and the connection of the project to participants is key to participants taking an initial active role in environmental citizenship.

Workshop #23

Title: Ecological Déjà vu!

Presented by: Jeannette Mueller, East Brunswick Public Schools

Come see ecology based lessons that you may have heard of before but have been adapted to be student based. These interactive activities will increase your students' knowledge of sustainability, tragedy of the commons, vocabulary, energy transfer, invasive species, carrying

capacity/limiting factors and symbiosis; all creating a classroom in which students take control of their learning experiences while building knowledge of ecological concepts.

Workshop #24

Title: Wetlands: A model for astrobiology and the search for extraterrestrial life forms

Presented by: Dave Grant, American Littoral Society

Participants in ASSET-13 (Astrobiology Summer Science Experience for Teachers), sponsored by SETI (Search for Extraterrestrial Intelligence) at San Francisco State University, tested student activities as diverse as microbial activity, climate and human evolution as models for NASA's and SETI's search for life forms in extreme environments (Extremophiles) on Earth and Mars.

Workshop #25

Title: Awareness to Action through Citizen Science

Presented by: Dave Grant, American Littoral Society

The American Littoral Society is a participant in the NSF-funded National Network for Oceans and Climate Change Interpretation (NNOCCI) outreach project and other Citizen Science activities for students and the general public, including: fish tagging, Spill Spotters Network, Hurricane Sandy relief, and restoration efforts involving marshes, dunes and oysters. These efforts and related activities for students will be presented, along with suggestions on how students can become involved in these efforts.

2014 ANJEE CONFERENCE WORKSHOP DESCRIPTIONS – Page 6

Workshop #26

Title: Hooked On Fishing- Not on Drugs

Presented by: Liz Jackson, NJDEP Division of Fish & Wildlife

Hooked on Fishing-Not on Drugs (HOFNOD) is a statewide youth fishing education program sponsored by NJDEP Division of Fish & Wildlife. HOFNOD is a great way to introduce youth to fishing, learning about their local water and other natural resources while supporting positive outdoor recreation activities and life skills.

Workshop #27

Title: Comparative Stewardship - Amazon to Andes to Home

Presented by: Barbara Rheault, Mullica Township Schools

As educators, we have a responsibility to help our students and visitors make the connection between the local and the global. After all, they do live in a "world without edges" where everyone is increasingly dependent on global resources and impacted by global problems. Attendees will: be introduced to the Educator Academy Amazon Rainforest Workshop, explore how rainforest concepts relate to 21st century instructional models with direct applications to classroom instruction, and much more.

Workshop #28**Title: Project WET Generation 2.0 Update Workshop****Presented by: Kevin Kopp, NJ Project WET**

Attend this special 3-hour update workshops! and receive a “FREE” Generation 2.0 Project WET Curriculum and Activity Guide. Learn about dozens of new activities; comprehensive revisions; updates of many original activities; extensive literature connections; technology interrelation in a full color layout. Participants must bring their current copy of the Project WET Curriculum and Activity Guide to receive the new guide.

Workshop #29**Title: Sustainable Jersey for Schools: Building Partnerships for a Sustainable Future****Presented by: Donna Drewes, Co-Director Sustainable Jersey**

Come learn about Sustainable Jersey for Schools a new voluntary certification program being developed public schools. The program integrates sustainable development principles of “People, Prosperity and Planet” by linking best practices related to environmental literacy, health and wellness, energy efficiency, as well as a wide host of sustainability issues.

Workshop #30**Title: Think Locally : Teaching Stewardship in Grades 6-12****Presented by: Laura McClusky, Parsippany Hills High School**

This workshop will discuss and demonstrate hands on activities that use students own town as a laboratory. Environmental Education begins at home and this is what sparks stewardship.

2014 ANJEE CONFERENCE WORKSHOP DESCRIPTIONS – Page 7

Workshop #31**Title: Bridging Environmental Education and Social Studies to Inspire a New Generation****Presented by: Estelle H. Ruppert, Lebanon Valley College**

This workshop will provide educators with hands on activities and resources for community-based education that connects to environmental education and STEM while building a lifetime of knowledge and skills as citizens.

Workshop #32**Title: Environmental Education Makes Being GrEEen – Possible!****Presented by: Tanya Oznowich, NJ Department of Environmental Protection**

What is environmental literacy? Is environmental education (EE) evolving in New Jersey? How can we advance it for all ages, in all settings, and build statewide capacity for its delivery? This

session is for “big picture” thinking and discussion regarding the status of EE in NJ and nationally. The session involves slides, lecture, focused discussion and handouts.

Workshop #33

Title: Exploring Interdependencies within an Ecosystem

Presented by: Melissa Novak, East Brunswick Public Schools

Come see how to use non-fiction text, a hands-on activity and graphing to increase your students’ knowledge of food chains and biomagnification; all while building upon your students’ knowledge of interdependencies in ecosystems.

Workshop #34

Title: Why Is This Message About Nutrition So Difficult To Accept

Presented by: Dr. T. Colin Campbell

*The workshop will be an opportunity to explore some of the most often asked questions, such as:
Does our research on the cancer promoting effect of casein (cow’s milk protein) apply to other proteins?*

Do other dietary nutrients have similar effects to casein?

How are these experimental animal findings relevant for humans?

How can the message about diet and nutrition be relevant for environmental issues?