

## 15th Annual Environmental Education Symposium - 2012 Presenters

Session Times - TBA

Session Title	Session Description	Session Type; Grade Level	Presenter	School / Organization
Advantages of Environmental Playgrounds	Teacher candidates from local university completed their field experiences journalizing observations, interviewing and photographing K-5 student learners at play and making connections to their classroom content using science standards to guide learning on their new environmental play ground.	Exemplary; K-4, 5-8, General	Dr. Robin McCartney Dr. Donna Duggar Wadsworth	University of Louisiana
Air Pollutants: Their Claim to Fame; Bonus Section: RCRA-It's Solid	Not just a lot of hot air: an entertaining (!), in-depth look at air pollutants, health effects, and origins. Also, a brief introduction to solid waste is added. Candid discussions are encouraged to analyze the science and provide pithy conversations on our environment.	Exemplary; 9-12	T. Markle Farber	Louisiana Department of Environmental Quality
Comparison of Chemical Testing and Probeware	Taking chemicals into the field can sometimes be cumbersome, not to mention disposal of the remnants of the chemical tests. Come explore the correlation between probeware and the chemical testing methods currently in use.	Hands-On; 9-12	Warren Bernard	Holy Cross School
Discovering the Hidden Treasures of Louisiana	Veteran teachers will provide hands-on strategies and lesson plans concerning GPS-Global Positioning Systems, using 21st Century tools for learning in order to enhance students' geographic understanding utilizing geocaches. Participants will learn how to search for hidden geocaches with GPS unites.	Hands-On; General	Paul Nagel David Faerber	Northwestern State University
Earthworms are Easy	Composting with worms is the perfect way to introduce live animals AND sustainability initiatives into your classroom! Explore how to use worms in the classroom through hands-on science activities. Also, learn how to make a simple vermicompost (worm compost) bin. This workshop is ideal for elementary educators.	Hands-On; K-4	Rose Butler	Audubon Zoo
Environmental Education in the New National Science Standards Framework	How will the Next Generation of Science Education Standards vary from present standards? Participants will explore parts of the Framework to determine how environmental concepts are integrated and to consider how instruction or programs can adapt and include outdoor experiences. Participant questions will be addressed.	Exemplary; K-4, 5-8, 9-12, General	Ann Wilson	Louisiana Department of Education & Commission
Explore the Earth with GeoMapApp	GeoMapApp is a web-based geographic and earth science data visualization tool developed by Columbia University that allows students and teachers to create custom maps, access variety of databases, create graphs, etc. We'll show you how to get started and share resources and lesson plans that utilize this powerful program.	Lesson Demo; 5-8, 9-12	Steve Babcock	LSU Laboratory Schools

Field-Based Geo-Spatial Education in the Coastal Louisiana	Recent activities of the Coastal Education Program at UNO have focused on teaching mapping skills through introduction to GIS, GPS and remote sensing technology. We'll showcase projects recently completed by high school students and you will receive a copy of our Field-based Educator's Guide to the Lake Pontchartrain Estuary.	Exemplary; 9-12	Heather Egger Dinah Maygarden	University of New Orleans, Pontchartrain Institute
Free 10-day Summer Field Experience in Estuarine Environmental Education in Southeast Texas	In July, 2012, Lamar University will offer a free field experience in environmental education for in-service teachers and environmental educators. Summer participants travel via vans, canoes, research vessel and air boat. This workshop will introduce the program's activities and conduct hands-on water quality analyses.	Hands-On, Exemplary; General	Dr. Jim Westgate Jennie Knapp	Lamar University, Texas State University System
Louisiana Spider Survey: A Citizen Science Project for Your Students to Participate in	The Louisiana Spider Survey documents an important but overlooked component of Louisiana's biodiversity – spiders. Because few data regarding their distribution and abundance are currently available, development of an accurate database will depend on contributions of volunteers, or "citizen scientists." Teachers will receive information to involve classes in the survey, on spider collection techniques, identification, submission of specimens, etc.	Hands-On	Maggie Hodge Dr. Steven Gabrey	Louisiana School for Math, Science & the Arts
Meeting GLE's Outside the Classroom	Gain some great ideas for organizing and facilitating outdoor trips for your students! Over the past 15 years the Wetland Watchers Service-Learning Project has included over 18,000 students on trips to wetland areas. Teachers will take home a handful of tried and true GLE based activities and tips for implementation!	Hands-On; 5-8	Barry Guillot	Harry Hurst Middle
Native Fish in the Classroom (NFC) & WETSHOP: Exemplary Stewardship Initiatives	Connect your students to outdoors via NFC: students raise native fish from eggs to fingerlings & then release at pre-selected river site. This stewardship initiative is must-do for 6-12 graders! Or looking for ways to expand your wetlands knowledgebase? Explore maritime forest on Grand Isle, tour Port Fourchon, fish in the bay... WETSHOP is an action-packed educational experience for science/history teachers!	Exemplary; 5-8	Angela Capello MattieLynn Dantin	Louisiana Department of Wildlife & Fisheries
Nature-Booking: Techniques for Recording Observations in Nature	In the first half of this session participants will observe a collection of natural items and use a variety of techniques like rubbings, sketching, and journaling to create "Nature-Book" pages. For the second half we will go outside to observe, record, and gather more ideas.	Hands-On; 5-8	Amy Ouchley Blenda McHenry	ULM (DREAM)
Outdoor Environmental Learning Opportunities for Louisiana Students	Get an overview of some school-based projects that the LDEQ Non-Point Source Pollution program managed and learn about LDEQ's educational sampling activities. Time permitting/upon request, I will give an overview of Non Point Source pollution and how to prevent it.	Lesson Demo; General	Greg Waldron	Louisiana Department of Environmental Quality
Outdoor Observations	Learning observation skills is a key GLE in all of the early childhood science standards. Using nature as our classroom, we will practice using our senses to hone skills. From smell jars to looking at one square inch of grass, learn creative ways to use those skills and connect students to the natural world.	Hands-On; K-4	Monica Pasos	Audubon Zoo
QR Codes in the Outdoor Classroom	You see them everywhere! Now, learn how to scan, make, and use QR Codes in your science classroom, in your outdoor classroom, and around your school, If you have a smart phone, make sure you bring it!	Exemplary; General	Jenny Ronquillo	Pontchartrain Elementary School

Talking Trash: Marine Debris	Trash, marine debris and ocean garbage patches are great for engaging students in data collection, interpretation and stewardship. Try two activities you can set up in your school yard, collect data and compare with marine debris data from Louisiana beaches.	Hands-On; 5-8, 9-12	Dianne Lindstedt	Louisiana Sea Grant
Teaming with Insects	Teaming with Insects curriculum gets young students excited about science and nature by studying everyday insects found in the classroom and schoolyard. We will explore being an entomologist through insect collecting, learning insect body parts, biodiversity and invasive species.	Hands-On; K-4	Veronica Del Bianco	Orleans Parish 4-H
Tethered Exploration: Using ROV Technologies in the Classroom	Attendees will learn how to teach about ocean science and the BP oil spill by using ROV technologies. You will get hands-on experience! Attendees will get to use a student designed ROV in the hotel pool!	Hands-On; General	Murt Conover	LUMCON
Whooping Cranes Return to Louisiana	Near the brink of extinction in the 1940s, the Whooping Crane is now being reintroduced to Louisiana via an ambitious national project! Learn about Whoopers as a species, their history in Louisiana, previous reintroduction efforts, and the current project taking place in Louisiana. Take home lessons, resources, & the great big POSTER!	Hands-On, Lesson-Demo; 5-8, 9-12	Sara Zimorski Marie Tizzard Sue Ellen Lyons	Louisiana Department of Wildlife & Fisheries