

Science, Technology, and Environment Teacher Professional Development Opportunities



FLORIDA CHARTER SCHOOLS WEBINAR
OCTOBER 16TH, 2012



Agenda



- Introductions
- Project Overview
- Interactive Q & A
- Contact Information



Introductions



Florida Department of Education (DOE)

- Charter Schools Program Office
 - Adam Miller
Director, Charter Schools Program Office
 - Chris Muire
Education Policy Director, Charter Schools Program Office
 - Sandra Eggers
Program Specialist, Charter Schools Program Office
 - Yolanda Miranda-Hill
Program Director, Charter Schools Program Office



Introductions



Florida Department of Environmental Protection (DEP)

- Office of Environmental Education (OEE)
 - Greg Ira
Director
 - Misty Alderman
Environmental Education Specialist
 - Jackie Zimmerman
Environmental Education Specialist



Instructions



*THANK YOU FOR YOUR INTEREST IN LEARNING ABOUT OUR FREE
CHARTER PROFESSIONAL DEVELOPMENT WORKSHOPS*

ALL PHONE LINES WILL BE MUTED ONCE WE START OUR PRESENTATION

IMPORTANT NOTE :

- Please type in any questions that you may have for the presenters into the Webex System chat box function.
- During the Q & A section, at the end of the webinar, the presenters will address all written questions first.
- Then, we will open up the phone lines to answer any additional concerns.

Are your Teachers Meeting their Re-Certification Needs?



Florida Educator Certification Renewal Requirements

General Information

If you are employed by a public school district in Florida, request a district application form for certificate renewal from your district office and submit the completed application to your employing school district.

If you are employed by a private school, or if you are not currently employed as an educator, [apply for renewal online](#) or request [Application Form CC-10R](#) and submit the completed application to the Bureau of Educator Certification.

- Six (6) semester hours of college credit or equivalent must be earned during each renewal period to renew your certificate. See information below for retaining all subjects on your certificate.
- Renewal requirements must be completed during the last validity period of the Professional Certificate and prior to expiration of the Professional Certificate. It is the responsibility of each applicant to obtain current information regarding renewal requirements from the employing school district, nonpublic school, or Bureau of Educator Certification.

College Credit Equivalency

- Sixty (60) inservice points in an approved Florida master inservice program are equivalent to three (3) semester hours of college credit.

- Certification renewal requires **6 hours** college credit or equivalent

- College Credit Equivalency
60 in-service points
= 3 hours credit
6 hours credit = 120 in-service points

How is this Relevant to my School?



Quality professional development training for your teachers can cost you money!

- Sample Costs:
 - ❑ College level courses can cost upwards of \$100 per credit hour and require semester long commitment
 - ❑ Online Teacher Training? Depends on the site...
 - Example- \$240 for 3 CEU Course
 - ❑ Training and Equipment Costs for school technology?
 - ❑ Example- \$160 +

When planning your teachers training this year why not gain some of it for **FREE** this year?!

Free Professional Development Opportunities for Charter Schools



- The Office of Environmental Education (OEE) under contract with Florida DOE Office of Independent Education and Parental Choice (Charter Schools Program) is providing free professional development opportunities to Florida charter teachers.





Office Of Environmental Education



Learning in Florida's Environment (LIFE)

A model for collaboration between schools and public conservation lands to increase student achievement and build stewardship for Florida's environment.



Teacher Training

Teacher professional learning opportunities that use Florida's environment to build content and knowledge in Science, Technology, Engineering and Mathematics



Florida Green School Network

A partnership that documents, recognizes and supports sustainable initiatives in Florida schools and school districts.



Outreach

Events, publications, technical assistance that use Florida's environment to promote awareness and understanding.



Workshop Needs Assessment



6. Indicate your level of interest in the following topics:

| | Extremely Interested | Very Interested | Moderately Interested | Interested | Not At All Interested | Rating Average |
|--|----------------------|-----------------|-----------------------|------------|-----------------------|----------------|
| Water Education | 25.6% (167) | 29.4% (192) | 28.5% (186) | 12.0% (78) | 4.4% (29) | 3.60 |
| Wildlife Education | 27.0% (183) | 34.4% (225) | 24.7% (162) | 8.7% (57) | 4.3% (28) | 3.73 |
| Energy Education | 26.2% (172) | 33.5% (220) | 25.6% (168) | 10.4% (68) | 4.4% (29) | 3.67 |
| STEM Topics | 22.7% (143) | 23.6% (149) | 32.0% (202) | 13.5% (85) | 8.2% (52) | 3.39 |
| Green Schools | 32.5% (213) | 34.0% (223) | 22.1% (145) | 8.4% (55) | 2.9% (19) | 3.85 |
| Student-led Environmental Monitoring | 25.1% (164) | 30.4% (199) | 27.7% (181) | 11.0% (72) | 5.8% (38) | 3.58 |
| Environmental Technology (GPS, Probreware, Digital Microscope Cameras, Using Online Data in the Classroom, etc.) | 31.5% (207) | 32.1% (211) | 21.0% (138) | 9.6% (63) | 5.0% (30) | 3.74 |
| Building Community Partnerships to Support Science and Environmental Education | 30.0% (198) | 32.2% (213) | 25.0% (165) | 9.2% (61) | 3.6% (24) | 3.76 |
| Other | 26.3% (41) | 8.3% (13) | 17.9% (28) | 5.8% (9) | 41.7% (65) | 2.72 |



Workshop Offerings



These Free PD Workshops provide:

- ❑ Quality training that meets DOE professional development protocols
- ❑ Flexible Scheduling
- ❑ Correlation to Standards (Examples: SSS, CCS)
- ❑ Enhancement to Educators' STEM* (science, technology, engineering, math) and other programming
- ❑ Interdisciplinary activities for all subjects
- ❑ Opportunities to earn In-service points
- ❑ Free Program Activity Guides containing hands-on & problem solving activities
- ❑ Tools, Ideas, & resources relevant to teachers & the classroom



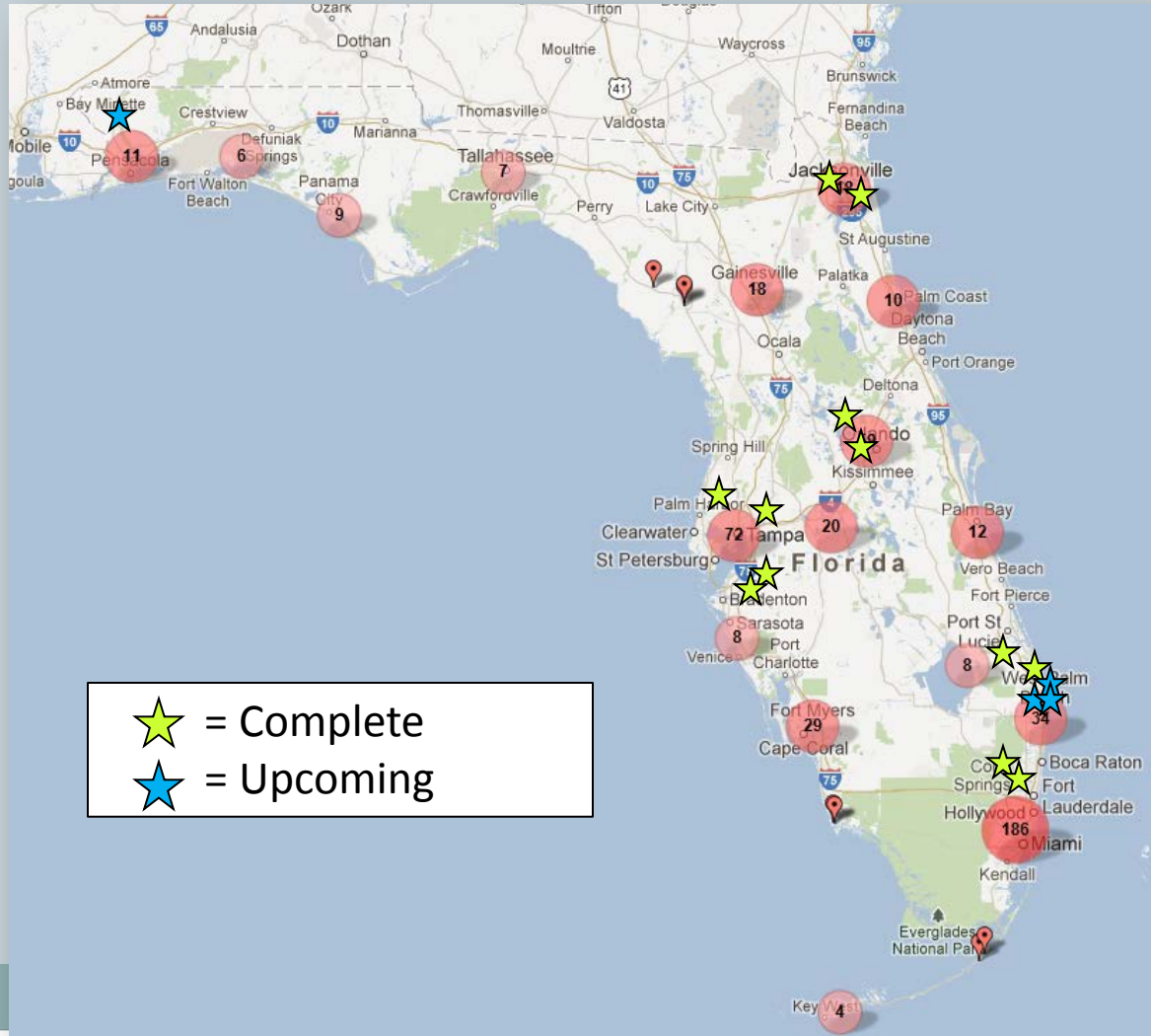
Available Workshops



- Project Learning Tree
- Project WILD & Aquatic WILD
- Schoolyard Wildlife & Ecosystems
- GLOBE
- Project WET
- Healthy Water Healthy People



Workshops around the State



Counties:

1. Duval
2. Orange
3. Osceola
4. Manatee
5. Hillsborough
6. Pinellas
7. Miami-Dade
8. Broward
9. Palm Beach
10. Escambia



Workshop Evaluations



| Questions | Agree | Slightly Agree | Neutral | Slightly Disagree | Disagree | Non-Response |
|-----------|-------|----------------|---------|-------------------|----------|--------------|
| Q 1 | 98% | 2% | 0% | 0% | 0% | 0% |
| Q 2 | 98% | 2% | 0% | 0% | 0% | 0% |
| Q 3 | 68% | 9% | 4% | 0% | 0% | 19% |
| Q 4 | 94% | 4% | 2% | 0% | 0% | 0% |
| Q 5 | 87% | 11% | 0% | 0% | 0% | 2% |
| Q 6 | 91% | 4% | 4% | 0% | 0% | 0% |
| Q 7 | 91% | 9% | 0% | 0% | 0% | 0% |
| Q 8 | 100% | 0% | 0% | 0% | 0% | 0% |
| Q 9 | 98% | 2% | 0% | 0% | 0% | 0% |
| Q 10 | 94% | 4% | 0% | 0% | 0% | 2% |
| Q 11 | 94% | 4% | 2% | 0% | 0% | 0% |
| Q 12 | 94% | 4% | 2% | 0% | 0% | 0% |
| Q 13 | 96% | 2% | 2% | 0% | 0% | 0% |



Workshop Evaluations



Teacher Comments:

- “It reawakened my desire to teach.”
- “I will be able to do more instruction that is interactive and not just directly from the textbook.”
- “Implement more cross-curricular activities into classroom.”
- “Happy to bring back these ideas to my job.”



Teacher Workshops



Project Learning Tree



At Project Learning Tree, the goal is to teach students *how to think*, **not** *what to think* about complex environmental issues.



PLT helps...

- Enhance critical thinking,
- Problem solving, &
- Effective decision-making skills,
- Teach students to weigh various sides of an environmental issue
- Students make informed and responsible decisions.



PLT materials are

- multi-disciplinary
- aligned with State & Core standards
- PreK-8 Guide contain 96 multi-disciplinary activities





COMMON CORE

Common Core



In 2012, Project Learning Tree completed PreK-8 Environmental Education Activity Guide correlations with the Common Core State Standards for both [English Language Arts](#) (ELA) and [Mathematics](#). The Cover Page document below provides guidance for using both sets of Common Core Standards correlations.

[Cover Page for ELA and Math Common Core Correlations](#)

[English Language Arts and PLT Correlation](#)

English Language Arts Reverse Correlation (organized by PLT Activity) - COMING SOON!

[Mathematics and PLT Correlation](#)

[Mathematics Reverse Correlation](#) (organized by PLT Activity)

[< Back](#)

CURRICULUM

- ▶ [Early Childhood](#)
- ▶ [Elementary & Middle](#)
- ▶ [Secondary Curriculum](#)
- ▶ [Correlations to State & National Academic Standards](#)
- ▶ [Development & Evaluation](#)
- ▶ [Reading Connections](#)

GET EDUCATIONAL MATERIALS

Sign-up for a professional development workshop in your area to receive relevant PLT curricula

[GO](#)

APPLY FOR A GRANT

A GreenWorks! grant can help you implement a service-learning project at your school

[GO](#)

TAKE A STAND

Join our Action Network to keep apprised of issues relevant to environmental education

[GO](#)

SUBSCRIBE TO THE BRANCH E-NEWSLETTER

Quarterly news, tips, and resources to help educators and partners stay in-the-know

[GO](#)

Project WILD is...

- An interdisciplinary conservation and environmental education program emphasizing wildlife
- A K-12 program that provides teachers with a lot of great resources & ideas for their classroom



- Easy to use & integrate into existing lesson plans
- Containing 96 activities Project WILD's guidebook is perfect for all subject matters & time periods



Project WILD is...

- Able to capitalize on the natural interest that children and adults have in wildlife by providing hands-on activities that enhance student learning in all subject and skill areas.



The screenshot shows the Project WILD website homepage. At the top, there is a banner image of a fox with the Project WILD logo overlaid. Below the banner is a navigation menu with six orange buttons: ABOUT US, GET WILD, CURRICULUM & RESOURCES, JUST FOR EDUCATORS, EVALUATION, and SERVICE LEARNING. The main content area features a large image of people participating in a conservation activity, with the text "Fostering responsible action toward wildlife and natural resources" to the right. Below this is a "Welcome to Project WILD" section with a sub-headline "Project WILD is a wildlife-focused conservation education" and two small thumbnail images of people.



Schoolyard Wildlife & Ecosystems



- The Schoolyard Wildlife Project is an environmental education program that can teach adult educators of K-12 students how to turn school grounds into an effective outdoors classroom.



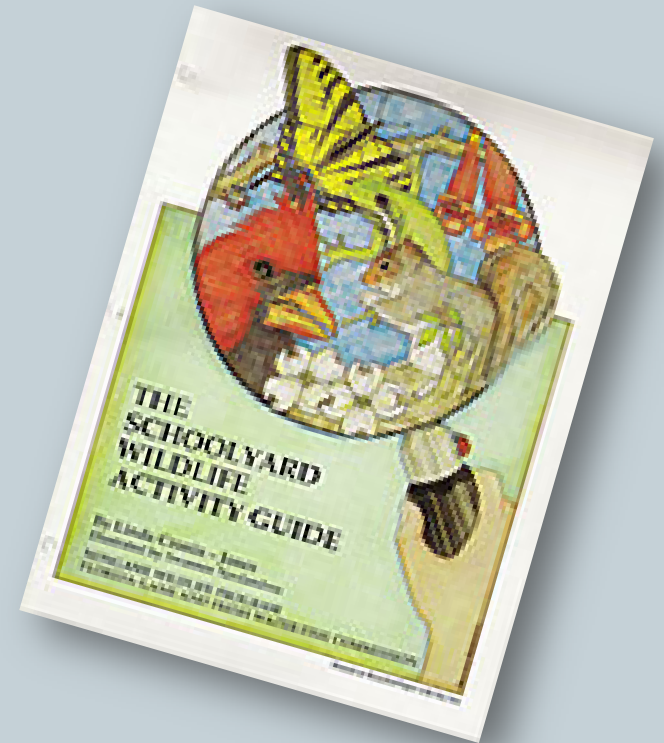
- The Schoolyard Wildlife's resources help teachers to incorporate Florida's natural history into their curricula to teach environmental awareness, problem-solving, basic biology and ecological principles.



Schoolyard Wildlife & Ecosystems



- The Schoolyard Wildlife Program offers **two types** of hands-on, interactive, one-day workshops:
 - ❑ **Schoolyard Activities & Ecology**
 - ❑ **Schoolyard Ecosystems**





Project WET

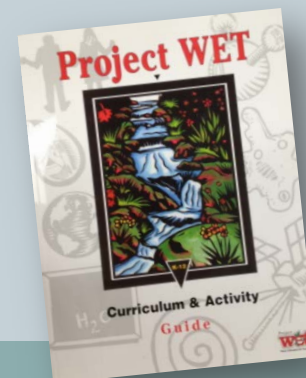
(Water Education for Teachers)



Project WET is

- An exciting interdisciplinary water education program for Florida's teachers
- Easy to integrate into pre-existing programs, lesson plans, & curricula
- Activities for K-12 are interdisciplinary & cover a wide range of subject matters
- Activities undergoing correlation to **Common Core Standards!**

The screenshot shows the Project WET website homepage. At the top right, there are links for "Read Our Blog", "Contact Us", "Join Our Mailing List", and "Donate Today". The main header features the Project WET logo and the tagline "Worldwide Water Education". Below this is the mission statement: "Educate. Empower. Act. The mission of Project WET is to reach children, parents, educators and communities with water education. We invite you to join us in educating children about the most precious resource on the planet." A navigation bar includes "About", "Use Project WET", "Where We Are", "Resources By Topic", and "News & Events". The main content area features a large illustration of children in a dry, cracked landscape with a small puddle. The text "TEACH ABOUT DROUGHT" is written in large, bold letters. Below the illustration, it says "PROJECT WET IN ACTION: Free Resource: Drought Lesson Plan" and "Project WET releases free lesson plan to help educators explain drought to children". There is a "Learn More" button and several small thumbnail images. At the bottom of the page, there are buttons for "Blog", "News and Media Coverage", and "Project WET Works".



<http://projectwet.org/>



Project WET

(Water Education for Teachers)



| Activity Name | NSS | Ocean Literacy | CC ELA | CC Math | Climate Literacy | EE | EC | Tech |
|------------------------------|-----|----------------|--------|---------|------------------|----|----|------|
| 8-4-1, One for All | x | NA | x | NA | | | | |
| Adventures in Density | x | NA | x | NA | | | | |
| A-maze-ing Water | x | x | x | NA | | | | |
| Aqua Bodies | x | NA | NA | NA | | | | |
| Aqua Notes | x | NA | x | NA | | | | |
| Back to the Future | x | x | x | x | | | | |
| Blue Planet | x | x | x | x | x | | | |
| Blue River | x | x | x | x | | | | |
| Color Me a Watershed | x | x | x | x | | | | |
| Common Water | x | NA | x | x | | | | |
| A Drop in the Bucket | x | x | x | x | | | | |
| Germ Busters | x | NA | x | NA | | | | |
| Get the Ground Water Picture | x | NA | x | NA | | | | |
| A Grave Mistake | x | NA | x | NA | | | | |
| H2Olympics | x | NA | x | x | | | | |
| Hangin' Together | x | NA | x | NA | | | | |
| Healthy Habits | x | NA | x | x | | | | |
| High Water History | x | x | x | x | | | | |
| Hitting the Mark | x | NA | x | x | | | | |
| Humpty Dumpty | x | x | x | NA | | | | |
| The Incredible Journey | x | x | x | NA | | | | |

Correlation to Common Core Standards

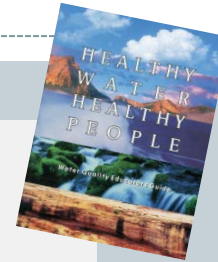


Healthy Water Healthy People



Healthy Water, Healthy People helps:

- Schools to start up a water quality monitoring program (6-12th grade)
- Promote stewardship while raising awareness & understanding of water quality topics & issues



- Demonstrate -
 - Existing relationship between water quality and human and environmental health.
 - Critical water quality topics in simple, understandable ways.



How to Find Workshops



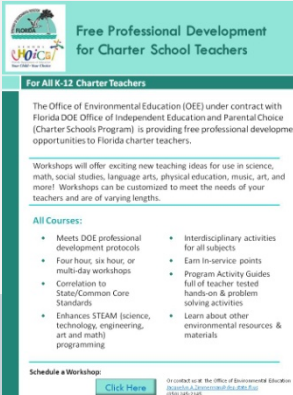
1. Email or call us directly to request one or



2. Enroll in an existing workshop

○ Eventbrite <http://depcharterschoolsworkshops.eventbrite.com/>

○ School Contacts, Emails, & Flyers



Free Professional Development for Charter School Teachers

For All K-12 Charter Teachers

The Office of Environmental Education (OEE) under contract with Florida DOE Office of Independent Education and Parental Choice (Charter Schools Program) is providing free professional development opportunities to Florida charter teachers.

Workshops will offer exciting new teaching ideas for use in science, math, social studies, language arts, physical education, music, art, and more! Workshops can be customized to meet the needs of your teachers and are of varying lengths.

All Courses:

- Meets DOE professional development protocols
- Earn In-service points
- Multi-day workshops
- Correlation to State/Common Core Standards
- Enhances STEAM (science, technology, engineering, art and math)
- Interdisciplinary activities for all subjects
- Earn In-service points
- Program Activity Guides full of teacher tested hands-on & problem solving activities
- Learn about other environmental resources & materials

Schedule a Workshop: [Click Here](#)

In contact with: The Office of Environmental Education
800.541.2338 or 813.462.2338
919.149.2338



All workshops are offered free to charter schools and are scheduled to fit your needs.

These nationally-validated courses include:

For fourth grade science

Project Learning Tree
P.L.T. uses trees and forests as the context to help young people gain an awareness and knowledge of natural and built environments. Through the activities, participants receive the P.L.T. Framework. A variety of learning models and experiences that build the life, hands-on, why-raise-questions, P.L.T. can be used in both rural and urban environments, whether there is a tree or a log pile. Participants may receive additional P.L.T. material depending on the theme of the workshop.

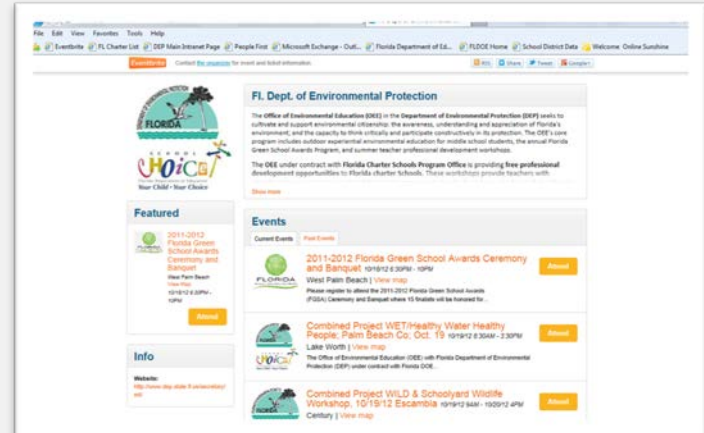
Project WILD: Aquatic WILD
Project WILD opportunities are the natural context that children and adults learn to be by providing hands-on activities that enhance student learning in all subject matter fields. Participants gain hands-on experience in eight key activities and receive the appropriate Project WILD activity guide. The basic subject includes the activity guide for **AQUATIC** grade education. The Project WILD™ 72 activity guide focuses on wildlife and habitat, and the Project WILD Aquatic Alternative Activity Guide emphasizes aquatic wildlife and aquatic environments.

Schoolyard Activities and Ecosystems
Schoolyard Wildlife Project is an environmental education program that can reach children from two to ten years old. It provides an effective outdoor classroom. The Schoolyard Wildlife Project materials help incorporate Florida's natural history into lessons to help environmental awareness, environmental literacy and environmental citizenship.

Project WET (Water Education for Teachers)
WET is a K-12 program that engages students in inquiry-based activities that explore the water resources available from the earth. The course, the water cycle and water resources, includes activities, lessons, and a variety of water resource education and reinforcing classroom concepts being taught.

Healthy Water Healthy People
Targeted to middle and high school grades 6-12, and P&HP uses interactive activities and materials on groundwater, surface water, water quality, water supply, water distribution, water conservation, water quality, and water pollution to help students make the connection between water quality, behavior and responsibility for all with hands-on interactive activities and lessons. The program covers environmental health and human health topics.

These trainings meet quality standards that are consistent with Florida's standards and standards for teacher professional development.



The screenshot shows the Florida Department of Environmental Protection website. The main navigation bar includes links for Home, About Us, and Contact Us. The main content area features a 'Featured' section with a '2011-2012 Florida Green School Awards Ceremony and Banquet' event, a 'Project WET/Healthy Water Healthy People' event, and a 'Project WILD & Schoolyard Wildlife Workshop' event. The 'Events' section lists the '2011-2012 Florida Green School Awards Ceremony and Banquet' and the 'Combined Project WET/Healthy Water Healthy People' event. The 'Info' section provides contact information for the Office of Environmental Education (OEE) and the Florida Department of Environmental Protection (FDEP).



Workshop Details



What we need from you:

- At least 15 teachers attending training
 - Options
- Main contact person
- Location or host site
- Dates to hold trainings
 - 6 hour vs half day

What we provide:

- Trained facilitators
- Flexible scheduling
- Workshop materials and resources
- Lesson planning assistance
- In-service coordination
- Our time

Tell us your needs!!



Workshop Details



- **Deadline for opportunity ends December 31st**
 - ❑ Grant ends January 1st
 - ❑ Registration will be taken for Spring; **HOWEVER**, ability to deliver workshop depended on grant status
- **Interested, but need information? Email us!**
 - ❑ Jackie Zimmerman
 - jacquelyn.a.zimmerman@dep.state.fl.us
 - Or call us at (850) 245-2145