

MAKING THE WATERSHED CONNECTION

4th Annual Interactive
Conference for Educators



June 26 and 27, 2007

**The Willow School
Gladstone, New Jersey**

PDH AVAILABLE FOR TEACHERS

*This conference is sponsored by the New Jersey
Department of Environmental Protection's
Division of Watershed Management and the
Watershed Partnership for New Jersey.*

Making the Watershed Connection An Interactive Conference For Educators

The Watershed Partnership for New Jersey and the New Jersey Department of Environmental Protection invite you to their fourth annual two-day interactive conference for educators. Conference sessions will explore New Jersey's dynamic watersheds and connect educators with regional resources, curriculum materials and more. Discover the beauty and complexities of your watershed and more ways to teach our future leaders about earth's most precious resource – water.

Why participate in this workshop?

This workshop is an extraordinary opportunity for educational growth. Choose from four tracks of study on day one - Raritan Watersheds, Beyond Science, Teachers in Action and Volunteer Monitoring - each showcasing a variety of watershed education resources and tools. Day two field trips will explore various aspects of the Raritan Basin and Central New Jersey watershed areas, with a focus on current projects and programs. Earn professional development credits while discussing current state curriculum standards, and discovering new and improved educational tools. All workshops will be interactive and all necessary materials will be included in your registration fee. Please join us for another exciting and valuable educational opportunity for New Jersey educators. We look forward to seeing you!



ATTEND BOTH DAYS AND EARN 10.5 PROFESSIONAL DEVELOPMENT HOURS

*New Jersey Professional Development Credits
are provided by ANJEE - Provider #679.*

**Please visit www.cookce.rutgers.edu/wpnj
for a description of workshops and field trips**

Why educate about water and watersheds?

We all live in a watershed. Whether they know it or not, every resident of New Jersey may contribute to water pollution through everyday activities such as fertilizing the lawn, throwing litter down storm drains or not cleaning up after pets. The resulting polluted stormwater runoff from the surrounding watershed is one of the greatest threats to many of our ponds, lakes, wells, rivers, bays as well as our ground water and the ocean. Simple changes in daily lifestyle can prevent this pollution and make a tremendous difference in the quality of New Jersey's water resources. You can help by educating your students about water and watersheds, and encouraging them to participate in watershed action programs.

Conference Sponsors

The Watershed Partnership for New Jersey (WPNJ) is a statewide network of watershed education and outreach education representatives from more than 40 non-profit, federal, state, county and local agencies, educational institutions and private industry. WPNJ is an affiliate organization of the Alliance for New Jersey Environmental Education (ANJEE).



The New Jersey Department of Environmental Protection has many tools to enhance your watershed education effort including:



- NJ Watershed Ambassadors Program
- Project WET - Water Education for Teachers
- Urban Watershed Education Program
- Clean Water Raingers Program
- Watershed Watch Volunteer Monitoring

Visit www.nj.gov/dep/watershedmgt for information.

Host Location

The Willow School

The Willow School, a small, independent coeducational day school for students in kindergarten through eighth grade, is committed to combining academic excellence and the joy of learning and to experiencing the wonder of the natural world. A truly unique and outstanding feature of The Willow School is its approach to nature and the surrounding environment. The 34-acre forested site incorporates many environmentally sensitive design features certified by the US Green Building Council in the Leadership in Energy and Environmental Design (LEED) program. The school is dedicated to maintaining the environment and sees sustainability as a key element in the relationship with the natural world as much as with our social world. Children learn to share intellectual resources with peers to sustain the community.

Visit <http://www.willowschool.org/> for more information on their Mission and Philosophy.



Keynote Speaker

Tim Grant, *Green Teacher*

A former high school teacher, Tim Grant has been the co-editor of *Green Teacher* magazine for the past 16 years. He is also the co-editor of six books: *Teaching About Climate Change*, *Des idées fraîches à l'école*, *Greening School Grounds*, *Teaching Green – The Elementary Years*, *Teaching Green – The Middle Years* and the forthcoming *Teaching Green – The High School Years*. He lives in Toronto with *Green Teacher*'s co-editor, Gail Littlejohn.

For more information about *Green Teacher*'s non-profit magazine and books, visit www.greenteacher.com.

Green Teacher

DAY ONE - JUNE 26, 2007

8:00 am	Registration and Continental Breakfast			
8:45 am	Welcome and Overview - WPNJ Conference Committee			
TRACKS	RARITAN WATERSHEDS	BEYOND SCIENCE	TEACHERS IN ACTION	VOLUNTEER MONITORING
9:00 am to 10:25 am	1 NJ Watersheds 101 with a focus on the Raritan Jeffrey Hoffman <i>NJGS</i> Grades 6 - 12	2 Project WILD Sampler Liz Jackson <i>NJ Division of Fish and Wildlife</i> Grades K-12	3 More than H2O: Looking into the Secrets of Water Laura McCluskey <i>Parsippany Hills High School</i> Grades 6 - 12	4 AmeriCorps NJ Watershed Ambassador Program Michelle Ruggiero <i>NJDEP</i> Grades K - 12
10:35 am to 12:00 pm	5 Geology of the Raritan Basin Mike Pollock <i>NJ Audubon</i> Grades 6 - 12	6 Downstream: An Outdoor Watershed Game Jeff Hoagland <i>Stony Brook - Millstone Watershed</i> Grades 6 - 12	7 Schoolyard Wetlands: 11-Steps to Success Bronwyn Mitchell <i>Environmental Concern</i> Grades K - 12	8 Using Macro-invertebrates as Indicators of Water Quality Nicole Rahman <i>South Branch Watershed</i> Grade PreK - 12
12:00 pm	Lunch			
12:45 pm to 1:15 pm	Keynote Presentation Tim Grant, Green Teacher <i>Green Schools and Watershed Protection</i>			
1:15 pm to 2:45 pm	9 Project WET Sampler Rachel Bijaczyk <i>Project Wet Coordinator</i> Grades K - 12	10 Before the Garden State Parkway: Lenape Life in the Watershed Naomi Gamorra <i>TICTOC</i> Grade PreK - 12	11 What The Bay HINGES On: Shellfish Restoration as Education Cara Muscio <i>Rutgers Cooperative Extension of Ocean County</i> Grades K - 12	12 Watershed Watch Networking: Linking to the Volunteer Monitoring Community Danielle Donkersloot <i>NJDEP</i> Grades K - 12
2:45 pm to 4:15 pm	13 Young Naturalists: Environmental Education for PreK - 2 Ellen Pattee <i>NJWAP</i> Grade PreK - 2	14 NJ Waters: Teaching the Ecology of Regional Systems Dale Rosselet <i>NJ Audubon</i> Grades 6 - 12	15 Water Conservation: Every Drop Counts Sue Marinello <i>Every Drop Counts</i> Grades K - 12	16 Introduction to Water Analysis Technology Kevin Olsen <i>Passaic River Institute</i> Grades 6 - 12
4:15 pm	Guided Tour of Willow School <i>Mark Biedron, Founder</i>			

DAY TWO - JUNE 27, 2007

Field Trip Choices

You MUST attend Day One in order to attend Day Two Field Trips!
Lunch is not provided. Please bring a bag lunch.
ALL FIELD TRIPS 9:30 AM - 3:30 PM

A	<p><u>NOTE: THIS IS A SPLIT FIELD TRIP. YOU WILL ATTEND BOTH SESSIONS IF YOU CHOOSE OPTION A.</u></p> <p style="text-align: center;">Using Macroinvertebrates as Indicators of Water Quality Nicole Rahman <i>South Branch Watershed Association</i></p> <p>One way to monitor the health of a watershed is to sample the macroinvertebrate life present in its streams and rivers. These “bugs” have a story to tell about the quality of the water where they are found. Enjoy hands-on activities and hand-outs about macroinvertebrates, how to identify them, and what their presence or absence means. 3 hrs.</p> <p style="text-align: center;">Duke Farms Guided Research Tour Research Staff <i>Duke Farms</i></p> <p>See the landscapes of Duke Farms nested within the Lower Raritan Watershed. Learn about the ecological research being conducted on the property. Tour the riparian buffer restoration work, view successful lakeshore restoration efforts, and see the many species of flora and fauna boasted on the property. 3 hrs.</p>
B	<p style="text-align: center;">Dissecting a Watershed: The Raritan’s Stony-Brook Millstone Under Investigation Jeff Hoagland <i>Stony Brook Millstone Watershed Association</i></p> <p>Come out and spend a day traversing the 60-square mile Beden Brook subwatershed within the Millstone River Watershed. The journey will begin at the headwaters in Hopewell Borough and conclude at Beden Brook’s confluence with the Millstone River in Montgomery Township. You will be exposed to issues related to water quality and examine Stony Brook-Millstone Watershed Association’s approaches to engage and teach the public and students how to protect and improve our waterways. 6 hrs.</p>
C	<p style="text-align: center;">Raritan Basin Restoration Projects Kathy Hale <i>NJ Water Supply Authority</i></p> <p>Learn about Stream Restoration efforts in the Spruce Run Reservoir Watershed in Hunterdon County. You will visit two native grass restoration sites, a riparian buffer improvement project and the Hoffman Park Stream Restoration project. NJ Water Supply Authority and Hunterdon County Parks staff will discuss various aspects of these projects, including funding, partnerships and education opportunities for students of all ages. A brief introduction to the USA-NRCS Stream Visual Assessment Protocol on Mulhockaway Creek. The day ends with a short visit to the Hunterdon County Arboretum. 6 hrs.</p>

Registration Information

The two-day registration fee is only \$55 per person, which includes day one workshops and a day two field trip. If you wish to attend the workshop day only, the cost is \$45 per person. **YOU MUST ATTEND THE WORKSHOPS TO ATTEND THE FIELD TRIP.** The registration fee includes curricula, workshop materials, continental breakfast and lunch for June 26th. **NO FOOD WILL BE PROVIDED ON JUNE 27TH.**

All registrants will receive confirmation of their registration including a map and directions to the day two field site(s).

Phone: (732) 932-9271 M–F, 8am – 4:30pm
Please have your credit card number ready.

Fax: (732) 932-8726 Available 24 hours
Please include credit card information or a copy of your check, money order or purchase order.

Mail: Registration Desk, NJAES Office of Continuing Professional Education; Rutgers, The State University of New Jersey; 102 Ryders Lane; New Brunswick, NJ 08901-8519

Online: www.cookce.rutgers.edu

**MAKE CHECKS PAYABLE TO:
Rutgers, The State University of New Jersey**
Refunds will not be issued. Substitutions are permitted.



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MAKING THE WATERSHED CONNECTION
 June 26 and 27, 2007 Course Code: EW0320HA08
 \$55 (both days) \$45 (day one only)

Please select your workshop and field trip choices using the numbers and letters from the choice pages:

June 26th	1st choice	2nd choice	3rd choice
9:00 am			
10:35 am			
1:15 pm			
2:45 pm			

June 27th Field Trips
___ 1st choice
___ 2nd choice
___ 3rd choice

Check, money order or purchase order enclosed
 Credit card VISA MC AMEX

Card Holder's Name (printed) _____
 Signature of Cardholder _____
 Card # _____
 Exp. Date _____ Billing Address Zip Code _____

Name _____ Nametag _____
 Job Title _____
 Employer _____
 Mailing Address _____
 Zip _____ City _____ State _____
 Work Ph _____ Home Ph _____
 Fax _____ Cell _____
 E-mail _____

