

# Ohio Environmental Education Fund Adult Education Grants Awarded, Spring 2004

**Mill Creek Restoration Project – Watershed Environmental Education: Technical Capacity-Building and Implementation of Sustainable River Restoration Strategies**, \$48,002. Contact: Robin Corathers, [robin@millcreekrestoration.org](mailto:robin@millcreekrestoration.org)



- Provides two-hour short courses for 60 property owners and local government administrators on soil bioengineering and technologies to reduce soil erosion and water pollution. Also sponsors four-day technical workshops for 50 professionals with responsibility for implementing US EPA Storm Water Phase II requirements, and ten trainees from low income neighborhoods who are working to develop marketable skills in the environmental management field. Creates an inter-active Web site bulletin board to promote discussion and peer-to-peer assistance on sustainable environmental technologies.

**Five Colleges of Ohio – Pollution Prevention on the College Campus**, \$50,000. Contact: John Principe, [principej@denison.edu](mailto:principej@denison.edu)



- Provides pollution prevention handbooks and training for more than 200 employees, including faculty and staff in the sciences, arts, and theater, at five residential colleges (Denison, Kenyon, Oberlin, Ohio Wesleyan, and the College of Wooster). Training will cover environmental leadership, environmental management systems,

ISO 14001 standards, regulatory compliance, security, chemical hygiene, emergency spill responses, and hazardous materials management. Train-the-trainer sessions and materials on best practices will be developed for EHS managers, who will share teaching responsibilities for two departmental classes at each college.

**Rural Action, New Landowner Forest Welcome Wagon Project**, \$49,961. contact: Colin Donohue, [colind@ruralaction.org](mailto:colind@ruralaction.org)

- Informs 2,500 new forest owners in 10 Appalachian counties about sustainable forestry and environmental issues associated with forest ownership, including information about best management practices, invasive exotics, and threatened and endangered species.



**Rural Action**  
Working together to revitalize Appalachian Ohio

**Clermont County, Office of Environmental Quality, A Developer-Led Approach to Addressing Urban Storm Water Runoff Issues**, \$11,850. Contact: Paul Braasch, [pbraasch@co.clermont.oh.us](mailto:pbraasch@co.clermont.oh.us)

- Provides a one-day workshop and tour on Better Site Design Tools and Techniques for managing post-construction storm water for 150 planners, developers, engineers, contractors, and zoning and code enforcement officials.

# Ohio Environmental Education Fund K-12 Grants Awarded, Spring 2004

For more information about OEEF grant opportunities, see [www.epa.state.oh.us/oeeef](http://www.epa.state.oh.us/oeeef) or call (614) 644-2873.

**Project WET, Project WILD and PLT – Correlations for all Three,** \$45,960, Statewide. Contact: [jen.dennison@dnr.state.oh.us](mailto:jen.dennison@dnr.state.oh.us)



- A team of formal and nonformal educators is developing correlations between three national environmental education curricula and the Ohio Department of Education's new Academic Content Standards for K-12 science. A searchable database and Web site will provide Ohio teachers with support for using these materials.

**Miami University, Department of Zoology, The GREEN Teachers Institute: Water Resources,** \$15,200. Contact: Don Kaufman, [kaufmadg@muohio.edu](mailto:kaufmadg@muohio.edu)



- Provides four week-long workshops on inquiry-based science teaching about water resources for 80 southwest Ohio teachers during the summers of 2004 and 2005. Program includes Saturday seminars and in-service presentations for follow-up during the academic year. Funding will purchase books and field equipment such as aquatic dip nets, plankton nets and water monitoring test kits for the participants.

**SunWatch Indian Village/Archaeological Park, Hands-On Prairie Experience,** \$49,999. contact: Andrew Sawyer, [asawyer@sunwatch.org](mailto:asawyer@sunwatch.org)

- Educates 720 K-12 students as well as 50 K-12 teachers and 25 undergraduate students about the dynamics of a native prairie ecosystem and its value for wildlife, soil retention, and water purification. Students will participate in Five-Senses tours, conduct vegetation surveys, and help restore the prairie by planting native species, removing exotic species, and harvesting seeds.

**Adams County/Ohio Valley Schools, Adams County Environmental Project,** \$44,861. contact: Donna Shepherd, [coshepherd@ovsd.us](mailto:coshepherd@ovsd.us)

- Provides a year-long series of local environmental investigations for students in the 5th, 7th, and 10th grades, utilizing the national GLOBE Program, *Global Learning and Observations to Benefit the Environment*. Students will sample water quality and soils, identify plant and animal life, study flood and drought cycles, and participate in Conservation Field Days, the Area 5 Envirothon, and the Brush Creek Sweep.

**Ohio River Foundation, River Explorer Land Program,** \$31,480, contact: Rich Cogen, [rcogen@ohioriverfdn.org](mailto:rcogen@ohioriverfdn.org)

- Brings 600 middle school students to the banks of the Ohio River for field study of freshwater mussels, fish species, plankton, river chemistry, river ecosystems, pollution, habitat protection and restoration, and the food web.

## Calendar of Events *Continued from Page 4*

### **April 8 - 9**

Ohio Council for Social Studies Annual Conference: "Teachers are Architects: Designing the Citizen Foundation for the 21st Century." For more information, visit [www.ocss.org](http://www.ocss.org). Radisson Hotel Worthington, 7007 N. High St., Worthington, Ohio 43085. Some fees may apply.

### **May 7**

State Science Day, state finals for middle and high school student science projects, sponsored by the Ohio Academy of Science and OEEF. For more information, visit [www.ohiosci.org](http://www.ohiosci.org) The Ohio State University, Columbus

### **May 11**

Children's Water Festival; one-day event of hands-on activities for elementary and middle school students. University of Dayton. For information, contact Theresa McGeady, (937) 223-1278 ext 3239

### **July 15**

OEEF mini and general grant applications deadline. Refer to January 18 listing for information.

# Ohio Environmental Education Fund



## Mini Grants Awarded, September 2004

During the July 2004 grant round, the OEEF funded the following eleven projects, for a total of \$49,735.36.

**Austintown Schools / Lynn Kirk Elementary — Learning What Scientists Do Through Scientific Inquiry**, \$3,015. Contact: Kathryn Callery, [mamafrog@zoominternet.net](mailto:mamafrog@zoominternet.net)



- Develops new programming for first graders to utilize the school's existing ten-acre land lab, with activities correlated to Ohio's Academic Content Standards and national curricula such as *Journey North* and *Monarch Watch*. Activities designed for every month of the year include animal tracking, dissecting owl pellets, constructing a bluebird trail, recycling, a pond study, raising and tagging Monarch butterflies, and studying bats, spiders, and tadpoles and their habitats.

**Scioto Soil and Water Conservation District — Environmental Education Expansion**, \$4,893. Contact: [jeff.montavon@oh.nacdn.net](mailto:jeff.montavon@oh.nacdn.net)

- Provides teaching tools to enhance current outreach programs to help 1,000 students and 1,000 residents learn about wetlands and surface water and ground water quality as well as the effects hazardous wastes and land use can have on water quality. Includes a Riverlab model and *EnviroScape* tabletop models on hazardous materials, wetlands, and groundwater.

**4-H Camp Ohio — Beyond the Flush!** \$4,920. Contact: Cyndi Atkinson, [rca@ecr.net](mailto:rca@ecr.net)

- Educates 8,000 campers and visitors from 13 counties about the unique wetland alternative wastewater treatment system on the site, using materials from national curricula such as *Project WET*, *Project WILD*, *Wonders of Wetlands*, and a wetlands teaching guide developed with a 1993 grant from the OEEF. Campers will study the amount of wastewater they generate per day, and utilize a new three-dimensional model of the wetland, to be developed by *EnviroScape* and Camp Ohio.



**Crystal Clear Science — Project H.O.P.E. (Hands-on Planet Earth)**, \$5,000. Contact: Michelle White, [crystalclear@fuse.net](mailto:crystalclear@fuse.net)

- Develops a traveling hands-on science program for grades 3-6, to be piloted with 1,000 students in five schools. Students attend a general assembly, then classes rotate through five learning stations featuring experiments on Amazing Air, Super Soil, Reduce/Reuse/Recycle, Wonderful Water and Nature Know-How. Activities are correlated with Ohio's academic content standards for science, and incorporate components from national curricula such as *SEPUP (Science Education for Public Understanding)* and *Windows on Waste*.



**Geauga Park District — S.O.S. - Save Our Stream**, \$4,799. Contact: John Oros, [oros@geaugaparkdistrict.org](mailto:oros@geaugaparkdistrict.org)

- Project spearheaded by three local high school students, to educate 3,000 4th-9th grade students and residents of the Chagrin River watershed about the sensitive native brook trout population, its threatened cold water habitat, and the effects of non-point source pollution. The students will provide seminars utilizing the model, storm drain stickers, pamphlets, brochures for property owners on riparian buffers, and informational trail signs.

**ShoreBank Enterprise Group/Cleveland Entrepreneurs for Sustainability — Next Generation Energy Workshop Series**, \$5,000. Contact: Holly Harlan, [holly@e4sustainability.org](mailto:holly@e4sustainability.org)

- Provides six workshops for 140 northeast Ohio businesses on energy efficiency technologies and practices, distributed energy generation, wind and solar power, clean fuels for fleet operations, and fuel cells. Includes case studies and the costs and benefits of transition to "next generation" energy sources.



**Nature's Classroom, Water Quality Curriculum Enrichment**, \$4,939. Contact: Michael Conner, [mcoh@bright.net](mailto:mcoh@bright.net)

- Provides *EnviroScape* models, supplies and staff training in the *Healthy Water, Healthy People* curriculum, to expand water quality education programs at two camps providing week-long residential programs for 8,000 students annually from 60 participating schools statewide. New indoor and outdoor learning activities on watersheds and water quality monitoring will be correlated with Ohio's Academic Content Standards.



**Willard City School District, Central Elementary School, Central's Green Space: Planting Seeds for the Future**, \$5,000. Contact: Jennifer Daniel, [danielj@willard.k12.oh.us](mailto:danielj@willard.k12.oh.us)

- Enhances an existing outdoor learning area with supplies and new lessons on gardening, soil quality, native plants, species life cycles, species interdependence, and weather. Interdisciplinary activities include planting trees in the community and fourth grade social studies students making and marketing strawberry jam from strawberries they planted to investigate the process of raw materials to finished product. Seventy-five students in a six-week Summer Migrant School will plant and maintain a vegetable garden, with some of the produce harvested by those students in the summer, and additional produce harvested in the fall by students in the elementary school, with each group studying the other's role in planting and harvesting.



**Delaware General Health District, Hands on the Land: Conservation and Ecological Fair**, \$5,000. Contact: Susan Sutherland, [suthrind@rrcol.com](mailto:suthrind@rrcol.com)

- Brings 600 fourth graders to the county fairgrounds for a fair with six different learning stations on environmental themes such as recycling, watersheds, wildlife adaptations, and how species interact.

**American Farmland Trust, Farmland Preservation County Outreach Project**, \$4,239. Contact: Sara Nikolic, [snikolic@farmland.org](mailto:snikolic@farmland.org)

- Offers six workshops to develop 150 local leaders who are knowledgeable about farmland preservation techniques, the impacts of farming and development on local water quality, and opportunities for local and regional collaboration.

For more information, contact:

Ohio EPA, Office of Environmental Education  
P.O. Box 1049 • Columbus, OH 43216-1049  
Phone: (614) 644-2873 • Fax: (614) 728-1275  
Email: [oeef@epa.state.oh.us](mailto:oeef@epa.state.oh.us)  
Web: [www.epa.state.oh.us/oeef/](http://www.epa.state.oh.us/oeef/)

# Calendar of Events

## January 18

OEEF mini and general grant application deadline. Applications must be received via mail or hand delivered before 5:00 p.m. to OEEF or Ohio EPA District Offices by 4:30 p.m. Contact OEEF at (614) 644-2873, or by visiting our Web site [www.epa.state.oh.us/oeeef](http://www.epa.state.oh.us/oeeef) for more information.

OEEF, Lazarus Government Center, P.O. Box 1049, Columbus, Ohio 43216-1049; for deliveries, OEEF, 122 S. Front St., 6th Floor, Columbus, Ohio 43215

## January 22

National Engineers Week Future City Competition for middle school teams, Ohio Regional Finals at COSI Columbus, 333 W. Broad St. For more information, visit

[www.futurecityohio.org](http://www.futurecityohio.org).

## February 5

"Project WLD: Science and Civics," 8:30 a.m. - 4:00 p.m.; formal and non-formal educators receive activity guides and handouts; workshops presented by Delaware and Franklin SWCDs, Highbanks Metro Park and co-sponsored by EECO and OEEF. For information, call Linda Pettit, Franklin SWCD, at (614) 486-9613, ext. 115 or [linda-pettit@oh.nacdn.net](mailto:linda-pettit@oh.nacdn.net). Suzan Jervey, Highbanks Metro Park, at (614) 846-9962 or [jervey@metroparks.net](mailto:jervey@metroparks.net), Roger Pinnicks, Delaware SWCD, (740) 368-1921, ext. 104.

## February 5 and February 12

Miami County Park District "Science and Civics: Sustaining Wildlife Educator Workshop," 9:00 a.m. - 1:30 p.m. (Feb. 12, 9:00 a.m. - 1:00 p.m. To register (\$5 for morning refreshments), make check payable and mail to Miami County Park District, Attn: Mike Stewart, 2535 Ross Road, Tipp City, Ohio 45371. For information, call Mike Stewart, Miami County Park District, (937) 667-1086 or (937) 324-3967.

## February 10 - 12

SECO - Science Education Council of Ohio "Annual Conference," Columbus Convention Center, 400 N. High Street. For more information, visit [www.seco-online.org](http://www.seco-online.org).

## February 23

"Grant Writing: Connecting with Community Resources," workshop offered by the Ohio Environmental Education Fund, 9:00 a.m. - 4:00 p.m. Covers locating funders to proposal writing. Co-sponsored by EECO Region 1. To register, call OEEF at (614) 644-2873 or email [oeeef@epa.state.oh.us](mailto:oeeef@epa.state.oh.us)

## February 25 - 27

"Discovering the Wonder of Nature: New Ideas and Classic Outdoor Experiences." See "Hear Ye!"

## February 26

"Early Birds and the Worms," 8:00 a.m. - 3:30 p.m., focuses on nature's way of recycling and natural systems for grades; for 4 - 6. Presented by Delaware and Franklin SWCDs, Highbanks Metro Park and co-sponsored by EECO and OEEF. For more information, see February 5, above.

## March 5

"Windows on the Wild: Biodiversity Basics," 8:30 a.m. - 4 p.m., explore biodiversity, its significance and current status and human impact; for grades 6 - 9. Presented by Delaware and Franklin SWCDs, Highbanks Metro Park and co-sponsored by EECO and OEEF. For more information, see February 5, above.

## March 8, 15, 22

"Digging into Soils," 4:00 p.m. - 6:00 p.m., discover mysteries within soil through experiments, modeling and hands-on activities; for grades K - 12. Presented by Delaware and Franklin SWCDs, Highbanks Metro Park and co-sponsored by EECO and OEEF. For more information, see February 5, above.

## March 19

"Teaching Primitive Skills in the Classroom," 8:30 a.m. - 4:00 p.m., early skills developed by native people around the world based on awareness of the environment; for grades 4 - 12. Presented by Delaware and Franklin SWCDs, Highbanks Metro Park and co-sponsored by EECO and OEEF. For more information, see February 5, above.

## Ohio EPA-Environmental Education Council of Ohio Partnership Regional Priorities



Urban/Minority  
Early Childhood Social Studies High School Language Arts

## Partnership Steering Committee

Carolyn Watkins  
Dave Todt  
Dick Dieffenderfer

Pat Barron  
Marty McTigue  
Vicki Kohli

## OEE Chief

Carolyn Watkins

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## EECO Executive Director

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## EECO Regional Directors

### Region 1

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### Region 4

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### Region 5

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### Region 6

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### Region 7

Janet Ellsworth  
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### Region 8

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### Region 9

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### Region 10

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### Region 13

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### Region 15

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