



**NEW YORK CITY WATERSHED
ENVIRONMENTAL EDUCATION RESOURCE DIRECTORY**

A field trip guide for teachers and educators

October 2008

NEW YORK CITY WATERSHED ENVIRONMENTAL EDUCATION RESOURCE DIRECTORY

compiled and produced by the
Watershed Environmental Education Alliance
with support from the
New York City Department of Environmental Protection



About this directory:

This directory is designed to be a comprehensive resource guide for school teachers and other educators who are seeking to enhance their water-based curriculum with hands-on learning experiences about the New York City water supply through watershed field trips and outdoor education opportunities.

About the Watershed Environmental Education Alliance (WEEA):

WEEA is an alliance of environmental facilities, organizations, and agencies based in and around the New York City water supply watersheds that develop, support and implement school-based education programs • The mission of WEEA is to reinforce watershed education programs, enhance professional development opportunities for school teachers and environmental educators, and encourage partnerships that provide New York City and watershed students with inspirational environmental learning experiences.

How to use this directory:

This directory is divided into two color-coded sections for easy reference:










1

Environmental Education Centers & Facilities

Beginning on page 2, this section highlights environmental education centers, facilities, and other outdoor field trip destinations that are located throughout the Hudson Valley and Catskill Mountain region.

Facilities listed in BLUE are located WITHIN the boundaries of the New York City water supply watersheds.

Please refer to pages 2-3 for an alphabetical overview of major programs and services offered at each facility based on the following icons:

 Wheelchair accessible	 Trout release site
 Restrooms available onsite	 Tree planting site
 Overnight accommodations	 Water studies
 Food service available	 Farm activities
 Camping available onsite	 Hiking trails
 Picnic spaces available	 Program fees apply
 Parking for charter buses	 Reservations required

Please refer to individual entries on pages 4-13 for complete facility descriptions and additional contact information.

2

Watershed Education Programs & Resources

Beginning on page 14, this section describes watershed education programs, professional development opportunities, teacher training programs, environmental education curricula, watershed grant opportunities, and additional agency resources that are available to school teachers and non-formal educators in the five boroughs of New York City or the upstate water supply watersheds.

Many of the programs listed are designed to support and promote urban/rural educational partnerships between New York City and watershed classrooms.

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Please refer to page 14 for an alphabetical listing of all watershed education programs and resources that are described in this directory.

Please refer to individual entries on pages 15-22 for complete program descriptions, agency services and resources, and necessary contact information.

Please refer to the inside back cover (page 23) for specific educational resources within New York City.

Facility	Location (Distance from NYC)	Audience	Accommodations	Program Activities
Agroforestry Resource Center	Greene County (125 miles)	All grades & ages		
Ashokan Center	Ulster County (100 miles)	All grades & ages		
Black Rock Forest Consortium	Orange County (50 miles)	All grades & ages		
Cabbage Hill Farm	Westchester County (25 miles)	Grades 9-12		
Cary Institute of Ecosystem Studies	Dutchess County (90 miles)	Grades K-12		
Catskill Fly Fishing Center and Museum	Sullivan County (90 miles)	Ages 8-18		
Catskill State Fish Hatchery	Sullivan County (100 miles)	Grades K-12		
Clearpool Education Center	Putnam County (50 miles)	Grades 3-12		
Constitution Marsh	Putnam County (55 miles)	All grades & ages		
Cranberry Lake Preserve	Westchester County (40 miles)	All grades & ages		
Croton Gorge Park	Westchester County (50 miles)	All grades & ages		
Croton Point Nature Center	Westchester County (40 miles)	All grades & ages		
4-H Camp Shankitunk	Delaware County (150 miles)	Ages 8-16		
Forsyth Nature Center	Ulster County (90 miles)	Grades K-12		

Wheelchair accessible Restrooms onsite Overnight accommodations Food service Camping onsite Picnic spaces Parking for charter buses
 Trout release Tree planting Water studies Hiking trails Farm activities Program fees apply Reservations required

Facility	Location (Distance from NYC)	Audience	Accommodations	Program Activities
Frost Valley YMCA	Sullivan & Ulster County (120 miles)	All grades & ages		
Hilltop Hanover Farm	Westchester County (50 miles)	All grades & ages		
Hudson River Sloop Clearwater	Dutchess County (80 miles)	All grades & ages		
Lenoir Nature Preserve	Westchester County (25 miles)	All grades & ages		
Mountain Top Arboretum	Greene County (125 miles)	All grades & ages		
Muscoot Farm	Westchester County (35 miles)	Grades pre-K-5		
Old Croton Aqueduct State Park	Westchester County (30 miles)	All grades & ages		
Rockefeller State Park Preserve	Westchester County (30 miles)	All grades & ages		
Rye Nature Center	Westchester County (30 miles)	All grades & ages		
Stone Barns Center for Food and Agriculture	Westchester County (30 miles)	All grades & ages		
Stony Kill Farm Environmental Education Center	Dutchess County (75 miles)	All grades & ages		
Taconic Outdoor Education Center	Putnam County (65 miles)	All grades & ages		
Teatown Lake Reservation	Westchester County (40 miles)	All grades & ages		
Ward Pound Ridge Reservation	Westchester County (50 miles)	All grades & ages		

Wheelchair accessible
 Restrooms onsite
 Overnight accommodations
 Food service
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 Picnic spaces
 Parking for charter buses
 Trout release
 Tree planting
 Water studies
 Hiking trails
 Farm activities
 Program fees apply
 Reservations required

AGROFORESTRY RESOURCE CENTER

6055 Route 23
Acra, NY 12405

<http://arc.cce.cornell.edu>

(518) 622-9820
mfw10@cornell.edu

The Agroforestry Resource Center is an educational center that is affiliated with Cornell Cooperative Extension of Greene County • Our mission is to sustain the ecological, aesthetic and economic values of forested lands • Our facility is open year-round and includes a modern conference & classroom space, a model forest, streams & ponds, hiking trails, and picnic spaces • We offer educational programs, interpretive displays, 4-H curricula and other published materials for youth and adults covering the topics of agriculture, forestry, agroforestry, freshwater ecology, the environment, and land use planning.

ASHOKAN CENTER

477 Beaverkill Road
Olivebridge, NY 12461

www.ashokancenter.org

(845) 657-8333
csp@ashokancenter.org

The Ashokan Center is an outdoor education center and conference/retreat facility located one mile from the Ashokan Reservoir • Our mission is to provide a learning environment for schools, families, and individuals in outdoor education, living history, art, music and dance • Our facility includes forests, streams, ponds and hiking trails in a 19th century setting • Our three main program modules – Natural History, Living History, and Adventure Education –cover topics such as watershed ecology, pond ecology, forest ecology, animal tracking, colonial craft making, maple sugaring, and Leafpack upon request • Indoor spaces can accommodate up to 120 people.

BLACK ROCK FOREST CONSORTIUM

129 Continental Road
Cornwall, NY 12518

www.blackrockforest.org

(845) 534-4517
blackroc@ideo.columbia.edu

The Black Rock Forest Consortium operates a pristine 4,000-acre forest preserve with a reservoir, streams, lakes & ponds, hiking trails, and a fish hatchery • Our mission is to promote scientific research and excellence in education, while managing the ecosystem of the Black Rock Forest • Our “green” facility includes state-of-the-art laboratories and classrooms, composting toilets, and working examples of geothermal heating/cooling and solar energy • We offer youth programs that study watersheds, habitats, forestry, streams, reservoirs, ponds, animals, and plants • We also provide teacher training and professional development opportunities • Indoor activity spaces accommodate 75 people.

CABBAGE HILL FARM

115 Crow Hill Road
Mount Kisco, NY 10549

www.cabbagehillfarm.org

(914) 241-2658
cabbagehillfarm@verizon.net

Cabbage Hill Farm is a 175-acre mixed forest, farm, pasture and greenhouse aquaponic facility situated near the Muscoot and New Croton Reservoirs • Our mission is to teach sustainable methods and techniques in agriculture, aquaculture, and alternate energy • Our campus includes a farm, forest, streams, lakes & ponds, and a fish hatchery • We offer year-round tours and programs that are free-of-charge and teach the concepts of agriculture, aquaponics, alternative energy, water & macro-invertebrate studies • Limited overnight programs and indoor activity spaces are also available.

CARY INSTITUTE OF ECOSYSTEM STUDIES

2801 Sharon Turnpike • Box AB
Millbrook, NY 12545

www.ecostudies.org

(845) 677-7600 ext.303
notink@ecostudies.org

The Cary Institute combines research and education to fulfill our scientific mission of creating, disseminating, and applying knowledge about ecological systems • We envision a society that understands and appreciates the role of ecological systems, and a citizenry that engages in informed dialogue and action • Our facility is open to the public from April through October and includes a forest, stream, pond, trails, and picnic areas • Our education programs use science to build ecosystem literacy and help people understand how they are connected to the world around them • School programs are available in the fall and spring • Indoor activity spaces are available.

CATSKILL FLY FISHING CENTER AND MUSEUM

PO Box 1295
Livingston Manor, NY 12758

www.cffcm.net

(845) 439-4810
flyfish@catskills.net

The Catskill Fly Fishing Center and Museum is a full-service fly fishing education and stream exploration center located on 55 acres near Liberty, New York • Our mission is to preserve the past, protect the present, and promote the future of fly fishing • Our facility is open to the public year-round and includes a classroom, modern museum, nature trails, gift shop, outdoor pavilion, and access to a pond and the Willowemoc Creek • Some of our day and overnight programs may require a fee • Our indoor activity spaces accommodate 40-60 people.

CATSKILL STATE FISH HATCHERY

402 Mongaup Road
Livingston Manor, NY 12758

(845) 439-4328
sdcovert@gw.dec.state.ny.us

The Catskill State Fish Hatchery is operated by the NYS Department of Environmental Conservation for the primary purpose of stocking public waters • Our facility is located near the Beaver Kill and Willowemoc Creek, which are two of the State's most fabled trout streams • We specialize in rearing brown trout and maintaining a brood stock capable of producing 2 million eggs • We provide tours of the hatchery and our facility is open to the public free-of-charge • Picnic & camping facilities are located nearby at Mongaup Pond Campsite between late May and early October.

CLEARPOOL EDUCATION CENTER

33 Clearpool Road
Carmel, NY 10512

www.clearpool.org

(845) 225-8226
info@clearpool.org

Clearpool is a 335-acre residential campus situated near the West Branch Reservoir • Our mission is to successfully leverage our unique resources as an outdoor facility for the academic, physical, and social development of underprivileged children through year-round educational services • Our facility includes a forest, streams, lakes & ponds, and extensive hiking trails • We offer hands-on environmental education and teambuilding programs that are custom-designed, student-centered, inquiry-based, and aligned with New York City and New York State learning standards • Indoor activity spaces accommodate 235 people.

CONSTITUTION MARSH AUDUBON CENTER AND SANCTUARY

PO Box 174
Cold Spring, NY 10516

<http://ny.audubon.org/cmac.htm>

(845) 265-2601
mcharbonneau@audubon.org

Constitution Marsh is a 270-acre tidal marsh sanctuary situated along the east side of the Hudson River that offers critical refuge for breeding and migratory birds • Our mission is to teach the public about important river habitats and to provide stewardship of the marsh • Our facility is open to the public year-round and includes a 500-gallon aquarium, a 1,000-foot boardwalk, hiking trails, and interpretive exhibits that enable visitors to explore and experience the natural side of the Hudson River (this includes the marsh, forests, streams, lakes & ponds, and an assortment of fish, crabs, birds and wildlife) • Hiking and exploring the marsh are free-of-charge, but other programs require a reservation and program fees.

CRANBERRY LAKE PRESERVE

1609 Old Orchard Street
North White Plains, NY 10604

www.westchestergov.com/parks

(914) 428-1005
tzi1@westchestergov.com

Cranberry Lake Preserve is a 190-acre nature preserve and wildlife sanctuary located near the Kensico Reservoir • Our mission is to provide recreational, cultural, entertainment and educational programs that promote responsible management of Westchester County's natural resources • Our facility includes forests, wetlands, streams, a 19th century farmhouse, a granite quarry, and hiking trails surrounding an 18,000-year old glacially-carved lake • Our year-round programs include a Children's Summer Ecology Program and a Conservationists in Training Program • Indoor activity spaces accommodate up to 40 people • Our facility is open to the public free-of-charge, with reservations required for large groups.

CROTON GORGE PARK

Route 129
Cortlandt, NY 10657

www.westchestergov.com/parks

(914) 827-9568

Croton Gorge Park is a 97-acre recreational park owned by Westchester County and located at the base of the Croton Dam and New Croton Reservoir • We offer direct trail access to the Old Croton Aqueduct as well as a spectacular view of the impressive New Croton Reservoir spillway • Our facility includes a ballfield, hiking trails, forests, streams, and areas for fishing, picnicking, cross-country skiing, sledding, and nature study • We do not conduct or facilitate educational programs, but our park offers a variety of outdoor spaces that are available to be used for educational programs and nature study activities • We are open to the public all year, free-of-charge.

CROTON POINT NATURE CENTER

Croton Point Avenue
Croton-on-Hudson, NY 10603

www.westchestergov.com/parks

(914) 862-5297
sqw2@westchestergov.com

Croton Point Nature Center is a county-owned facility open to the public all year and located at the 504-acre Croton Point Park – the largest peninsula on the Hudson River • Our mission is to provide life-enriching recreational, cultural, entertainment and educational programs that promote responsible management and preservation of Westchester County's natural resources • Our programs include nature hikes, beach exploration, water ecology, survival skills, and nature & wildlife studies • Our nature center contains numerous exhibits and hands-on activities for all audiences • Indoor activity spaces available, with reservations required for large groups.

4-H CAMP SHANKITUNK – LENNOX MODEL FOREST

PO Box 184 • 34570 State Highway 10
Hamden, NY 13782

www.4hcampshankitunk.org

(607) 865-6531
jth44@cornell.edu

Camp Shankitunk is a 145-acre residential summer camp and outdoor educational facility operated by Cornell Cooperative Extension of Delaware County and located along the West Branch of the Delaware River • Our mission is to provide youth with a fun and safe environment where they learn new skills, make new friends, and gain an appreciation for nature • Camp operates for six weeks during July and August, however the facility is available for group rental during the spring and fall • The Lennox Model Forest is located on our premises, where students can learn about forestry and water quality • Indoor activity spaces accommodate 150 people, and food service is available for a fee.

FORSYTH NATURE CENTER

Kingston Parks & Recreation
467 Broadway
Kingston, NY 12401

www.forsythnaturecenter.org

(845) 331-1682 ext. 132
forsytheducation@aol.com

Forsyth Nature Center is an interpretive education facility situated in Kingston – the first capital of New York State • Our mission is to foster exploration of the natural world in and around our community through educational programs and contact with flora and fauna • Our facility offers animal exhibits, gardens, forests, hiking trails and picnic spaces • Our facility is open to the public on a year-round basis and we offer a unique array of school and family programs both onsite and offsite at other Kingston parks and the Hudson River (including bird watching, kayaking, snowshoeing, reading programs, interpretive hikes, and water & macro-invertebrate studies) • Certain programs may require a reservation and/or fee.

FROST VALLEY YMCA

2000 Frost Valley Road
Claryville, NY 12725

www.frostvalley.org

(845) 985-2291
info@frostvalley.org

Frost Valley YMCA is a 6,000-acre camp, retreat and conference center located in the heart of the “forever wild” Catskill Forest Preserve • Students learn confidence and team building skills in a supportive atmosphere that fosters hands-on environmental science through lessons in composting, GPS/orienteering, forest and wildlife ecology, and a comprehensive watershed curriculum linked to New York State and New Jersey learning standards • Adventure elements include a climbing tower, zip line, and high/low ropes courses • Camp lodging ranges from cozy bunk dorms to modern lodges and an historic stone castle • Healthy options are available at every meal, and special dietary needs are met with advanced notice.

HILLTOP HANOVER FARM

1271 Hanover Street
Yorktown Heights, NY 10598

www.westchestergov.com

(914) 995-2089
dsk2@westchestergov.com

Hilltop Hanover Farm occupies 183 acres of fields, buildings, pastures and natural woodlands in suburban Westchester County just north of the New Croton Reservoir • The Environmental Resource Center at Hilltop Hanover – which houses Cornell Cooperative Extension, Greenmarket, Hudson Valley Wool Works, and the Watershed Agricultural Council – focuses on educating professionals, landowners and the general public about best management practices for agricultural and forestry land uses through onsite activities and demonstrations • We promote organic and sustainable agriculture and landscaping.

HUDSON RIVER SLOOP CLEARWATER

112 Little Market Street
Poughkeepsie, NY 12601

www.clearwater.org

(845) 454-7673 ext. 115
linda@clearwater.org

Clearwater is a grass-roots environmental organization that offers a diverse range of opportunities for education, advocacy and celebration • Our mission is to preserve and protect the Hudson River, its watershed, and the communities along its shores through science-based education, citizen action and community outreach • Programs include sailing on the sloop Clearwater, inland activities at Esopus Meadows, and assorted classroom activities that include water & macro-invertebrate studies • Indoor activity spaces accommodate up to 50 people • Our facility is open to the public on a year-round basis.

LENOIR NATURE PRESERVE

19 Dudley Street
Yonkers, NY 10701

www.westchestergov.com/parks

(914) 968-5851
dac4@westchestergov.com

Lenoir Nature Preserve is a 40-acre nature preserve owned by Westchester County and situated adjacent to the Old Croton Aqueduct with spectacular views of the Hudson River • Our property is open to the public all year and includes forest and field habitats (including a number of exotic specimen trees and shrubs), hiking trails, a butterfly garden, and a dragonfly pond • Our youth and adult programs include nature hikes, tree studies, ponding, insects, bird studies, and wildlife studies • Indoor activity spaces accommodate up to 75 people with reservations and a fee required for large groups.

MOUNTAIN TOP ARBORETUM

PO Box 379
Tannersville, NY 12485

www.mtarbor.org

(518) 589-3903
mtarbor@mhonline.net

Mountain Top Arboretum is a living museum of native and exotic trees and shrubs that have adapted to a rigorous climate at 2,500 feet elevation • Our mission is to engage in the applied science of horticulture, promote stewardship of the environment, and offer a diversity of programs for the education and enjoyment of the public • Our facility is open to the public free-of-charge and includes a stream, forest and hiking trails • Our collections contain more than 1,500 trees and shrubs, as well as deer-resistant perennial gardens, wildflowers and a small enclosed American Chestnut plantation • We offer tours & seasonal programs on horticulture & nature • Indoor activity spaces accommodate 20 people.

MUSCOOT FARM

51 Route 100
Katonah, NY 10536

www.muscootfarm.org

(914) 864-7282
srm5@westchestergov.com

Muscoot Farm is a 777-acre interpretive farm and historic site owned and operated by Westchester County • Our mission is to interpret for public benefit the agricultural, cultural and natural history of a Westchester County farm • Our facility is open daily to the public and includes a farm museum, historic buildings, hiking trails through fields and forests, and several lakes and ponds • We offer family programs on weekends, curriculum-based school group sessions, hayrides, summer camp, several large annual festivals, history walks and birding programs • Picnic spaces and food service are available • Families can visit free-of-charge, but large groups require a reservation.

OLD CROTON AQUEDUCT STATE HISTORIC PARK

15 Walnut Street
Dobbs Ferry, NY 10522

www.aqueduct.org

(914) 693-5259
steven.oakes@oprhp.state.ny.us

The Park is a narrow, 26-mile trailway that follows the route of the Old Croton Aqueduct as it passes near numerous historic sites, preserves, and a museum highlighting the Aqueduct's construction • Our mission is to educate people on the history and current uses of the Old Croton Aqueduct State Historic Park • The Aqueduct provides abundant recreational opportunities such as walking, running, horseback riding, biking, bird watching, snowshoeing and cross country skiing • Our museum chronicles the construction of the Aqueduct, and we offer an underground tour of the tunnel • We are open to the public.

ROCKEFELLER STATE PARK PRESERVE

PO Box 338
Tarrytown, NY 10591

www.friendsrock.org

(914) 631-1470 ext. 10

Rockefeller State Park is a 1,233-acre preserve that is open to the public • Our mission is to provide safe and enjoyable recreational and interpretive opportunities for all New York State residents and visitors and to be responsible stewards of our valuable natural, historical and cultural resources • Our facility includes a forest, reservoir, streams, lakes & ponds, and scenic hiking trails that wind through wetlands, woodlands, meadows and fields • We offer year-round tours and programs that cover the following topics: forest ecology, riparian and meadow ecology, mathematics in nature, and local cultural history • We facilitate trout releases and water & macro-invertebrate studies • Program fees may apply.

RYE NATURE CENTER

873 Boston Post Road • US Route 1
Rye, NY 10580

www.ryenaturecenter.org

(914) 967-5150

info@ryenaturecenter.org

Rye Nature Center is a 47-acre Urban Wildlife Sanctuary that includes forests, ponds, streams, hiking trails, picnic spaces, a quarry, a butterfly house, a maple sugar shack, and ruins of the Parson's Mansion • Our mission is to develop, foster and promote environmental awareness • We offer school programs, summer camps, family programs on weekends, pre-school ecology and after-school programs, teacher training, festivals and other events • Our facility is open to the public all year free-of-charge and includes both indoor and outdoor activity spaces for groups up to 50 people.

STONE BARNS CENTER FOR FOOD AND AGRICULTURE

630 Bedford Road
Pocantico Hills, NY 10591

www.stonebarnscenter.org

(914) 366-6200 ext. 113

judyf@stonebarnscenter.org

Stone Barns is an 80-acre sustainable farm with a four-seasons growing operation, pastured livestock, education center, streams, lakes & ponds, and a world-class restaurant (Blue Hill at Stone Barns) • Our mission is to celebrate, teach and advance community-based food production and enjoyment through education, demonstration and outreach • Our message is simple: get closer to the food you eat! • We offer educational programs for students and professional development opportunities for teachers • Our programs are linked to New York State learning standards and encompass all facets of sustainable agriculture • Our facility is open to the public all year.

STONY KILL FARM ENVIRONMENTAL EDUCATION CENTER

79 Farmstead Lane
Wappingers Falls, NY 12590

www.dec.ny.gov

(845) 831-8780
skfarm@gw.dec.state.ny.us

Stony Kill Farm is a 1,000-acre environmental education center and working farm that is open to the public all year, free-of-charge • Our mission is to promote awareness and appreciation of the natural world, leading to effective stewardship of the land and conservation of natural resources • Our facility includes a visitor center, historic livestock barn, greenhouse, tenant farmhouse, community garden plots, cropland, forests, fields, ponds, trails, and picnic spaces • We offer year-round programs, including water & macro-invertebrate studies, for schools, youth, adult groups, and the general public • We conduct teacher trainings regarding Project WILD, Project WET, and River of Words • Indoor & outdoor activity spaces are available.

TACONIC OUTDOOR EDUCATION CENTER

75 Mountain Laurel Lane
Cold Spring, NY 10516

www.nysparks.com

(845) 265-3733
john.stowell@oprhp.state.ny.us

Taconic Outdoor Education Center offers interactive learning experiences during the school year • Our mission is to help schools, outdoor clubs, scout and community groups to discover wilderness in the Hudson Valley • Our rustic facility includes a forest, streams, ponds & lakes, hiking trails, heated cabins, interpretive exhibits, a ropes course, working maple sugar farm, and picnic spaces • We offer a range of environmental education activities, adventure programming, and special events such as maple sugaring, Nordic skiing, snowshoeing, forest & aquatic ecology, social studies and geography • All of our programs support New York State curriculum standards for science, geography, social studies and language arts.

TEATOWN LAKE RESERVATION

1600 Spring Valley Road
Ossining, NY 10562

www.teatown.org

(914) 762-2912
brhines@teatown.org

Teatown Lake Reservation is an 834-acre nature preserve and non-profit education center that is open to the public all year and includes a farm, forest, streams, lakes & ponds, hiking trails, and picnic spaces • Our mission is to educate and involve the regional community in order to sustain the diversity of wildlife, plants and habitats for future generations • Our programs teach open space protection, stewardship education, and environmental leadership through a range of classes, lectures and outdoor activities that focus on the following themes: Native Americans, apple cidring, maple sugaring, wildlife & habitat, stream & pond studies, water quality and geology • We coordinate Leaf Pack • Indoor activity spaces accommodate up to 150 people.

WARD POUND RIDGE RESERVATION

Routes 35 & 121
Cross River, NY 10518

www.westchestergov.com/parks

(914) 864-7322
trailside@bestweb.net

Ward Pound Ridge is the largest park in Westchester County (4,700 acres) and we're open to the public year-round • We offer forests, streams, gorges, wetlands, ponds, hiking trails, old farm foundations & stone walls, a wildflower garden, and the Trailside Nature Museum (one of the oldest of its kind in the United States) • The museum houses a large collection of mounted animals, Native American artifacts, nature-oriented artwork, educational exhibits and interactive displays • Museum programs include: Native Americans, maple sugaring, stream & nature studies, archeology, leathering, and orienteering • Our park can be used for educational programs such as tree planting, trout releases and water studies • Indoor spaces accommodate 50 people.

This is the end of **Section 1 (Environmental Education Centers & Facilities)**.

Section 2 begins on the next page.

2

WATERSHED EDUCATION PROGRAMS & RESOURCES

This section describes watershed education programs, professional development opportunities, teacher training programs, environmental education curricula, watershed grant opportunities, and additional agency services and resources that are available to school teachers and non-formal educators in the five boroughs of New York City and/or the upstate water supply watersheds.

"The Catskills: A Sense of Place"
Catskill Stream and Watershed Education Program (CSWEP)
Catskill Mountain Tales & Tunes
"City That Drinks the Mountain Sky"
CWC Public Education Grants Program
"Forestry On Wheels"
Green Connections School Partnership Program
Leaf Pack®
New York City Department of Environmental Protection (DEP)
New York State Department of Environmental Conservation (DEC)
Project WILD
Project Learning Tree (PLT)
Project WET
Saratoga Tree Nursery School Seedling Program
Streamwatch
Teaching the Hudson Valley
Trout in the Classroom
United States Forest Service
Watershed Agricultural Council
Watershed Forestry Bus Tour Grants Program
Watershed Forestry Institute for Teachers
Wastewater Treatment Plant Tours

“THE CATSKILLS: A SENSE OF PLACE”

The Catskill Center
PO Box 504 • Arkville, NY • 12406

www.catskillcenter.org

(845) 586-2611
abennett@catskillcenter.org

“The Catskills: A Sense of Place” is a five-module series of hands-on lessons based on New York State learning standards that promote appreciation and stewardship of the unique natural and cultural resources of the Catskill Mountain region • The five modules, which are also available individually, include: (1) Water Resources, (2) Geography & Geology, (3) Ecosystems, (4) Human History, and (5) Culture & Arts/Building Catskills Communities • The entire curriculum was developed by the Catskill Center for Conservation and Development and is available as a free download (PDF format) on the Catskill Center’s website • Printed copies of each module can be purchased for a nominal fee by calling the Catskill Center directly.

CATSKILL STREAM AND WATERSHED EDUCATION PROGRAM

The Catskill Center
PO Box 504 • Arkville, NY • 12406

www.catskillcenter.org

(845) 586-2611
bmurdock@catskillcenter.org

The Catskill Stream and Watershed Education Program (CSWEP) is a six-day educational program available to schools (grades 4-12) in the West of Hudson watershed only • The goals of CSWEP are to provide students with a greater understanding of the Catskill landscape and local stream ecology, and to foster their appreciation and stewardship of Catskill streams • Participation in CSWEP involves two days of training/orientation, at least two classroom field trips to a local stream, a public outreach art component, and classroom presentations by local stream experts • CSWEP is implemented by the Catskill Center for Conservation and Development with support from the Watershed Agricultural Council, New York City DEP, and US Forest Service.

CATSKILL MOUNTAIN TALES & TUNES

www.storylaurie.com

(845) 676-4727
storylaurie@hotmail.com

Catskill Mountain Tales & Tunes is a 45-minute classroom or school assembly program of songs and stories that focus on the rich environmental and social history of the Catskills and New York City watershed region • The program, which includes a teacher guide with suggested discussion questions, is designed for grades 4-8 and meets New York State learning standards for Science, Social Studies, and the Arts • The typical “watershed repertoire” features songs, stories, and background information about bluestone quarrying, lumbering, New York City’s quest for water, and the need for ongoing environmental stewardship • Program fees apply for all performances, however grant funding is available through the CWC Public Education Grants Program.

“CITY THAT DRINKS THE MOUNTAIN SKY”

www.armofthesea.org

(845) 246-7873

liveart@armofthesea.org

“The City that Drinks the Mountain Sky” is one of the most popular and successful arts-in-education school production offered by Arm-of-the-Sea Theater • Created in 1999, this lively and large-scale theater production tells the epic story of the New York City water supply system • The show features hand-painted sets, dozens of mask and puppet characters, and wonderful live music which has received rave reviews at schools and festivals throughout New York City and the upstate watershed region • Each school performance includes a study guide and post-show discussion questions • Although performance fees do apply, grant funding is available through the CWC Public Education Grants Program.

CWC PUBLIC EDUCATION GRANTS PROGRAM

Catskill Watershed Corporation
PO Box 569 • Margaretville, NY 12455

www.cwconline.org

(845) 586-1400

galusha@cwconline.org

The Catskill Watershed Corporation (CWC) Public Education Grants Program supports educational programs and projects that emphasize awareness and understanding of the New York City water supply system (including its human & natural history, the role of local communities in stewarding the watershed, the need to protect water quality, and the importance of water conservation) • Educational grants (\$750 to \$10,000) are available every year and they are intended to target students and teachers in West of Hudson watershed schools or the five boroughs of New York City • Grant applications and examples of previously funded educational projects are available on-line • The application deadline is generally early February each year.

“FORESTRY ON WHEELS”

Catskill Forest Association
PO Box 336 • Arkville, NY 12455

www.catskillforest.org

(845) 586-3054

cfa@catskill.net

The Catskill Forest Association (CFA) is a non-profit organization with a membership base of 350+ landowners representing more than 100,000 acres • Our mission is to promote forest stewardship throughout the Catskill region through a combination of education, advocacy, economic development, and by providing impartial forestry advice • CFA offers educational programs that cover topics such as tree identification, forest ecology, forest management, and the importance of the region’s forest resources • We operate a “Forestry on Wheels” trailer that can travel to various locations and be used as an outdoor classroom in conjunction with other forestry education activities, programs or curricula • Our programs require a reservation and program fee.

GREEN CONNECTIONS SCHOOL PARTNERSHIP PROGRAM

<p>The Catskill Center PO Box 504 • Arkville, NY • 12406</p> <p>www.catskillcenter.org</p> <p>(845) 586-2611 jgoren@catskillcenter.org</p>	<p>Green Connections is a year-long educational partnership that links urban middle or high schools in New York City with their rural counterpart schools in the upstate water supply watersheds (East or West of Hudson) • With assistance from environmental educators and other professionals, partner classrooms conduct common lessons about forestry, water quality, water conservation, and environmental stewardship • Partner classrooms also participate in two facilitated field trips – one to the watershed and one to the City – which allow participating students to meet their urban/rural counterparts while sharing common learning experiences that help promote “a sense of place” • Since participation is limited to 10-12 schools per year, eligible teachers should first attend the Watershed Forestry Institute.</p>
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LEAF PACK[®]

<p>East of the Hudson River: www.teatown.org (914) 762-2912</p> <p>West of the Hudson River: www.catskillcenter.org (845) 586-2611</p>	<p>The Leaf Pack[®] Network is an organized group of teachers and students investigating their local stream ecosystems using the Leaf Pack[®] Experiment Kit from the LaMotte Company • The experiment involves the placement of an artificial leaf pack (dry leaves in a mesh bag) in a local stream for three to four weeks, after which the leaf pack is removed and examined in the classroom for different types of aquatic insects that are indicators of stream health • After conducting the experiment, students and teachers can share their information with other schools in the region • Leaf Pack[®] is offered free-of-charge by Teatown Lake Reservation (East of Hudson) and the Catskill Center for Conservation and Development (West of Hudson).</p>
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NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION

<p>59-17 Junction Boulevard Flushing, NY 11373</p> <p>www.nyc.gov/dep</p> <p>(718) 595-3506 educationoffice@dep.nyc.gov</p>	<p>DEP protects the environmental health, welfare and natural resources of New York City and its residents, including managing and protecting the City's upstate water supply system and implementing in-City water conservation programs • DEP employs a team of environmental educators and other professionals who are available to provide educational presentations, publications, professional development workshops, and other learning opportunities regarding the significance of water supply protection and conservation • DEP staff are available to conduct classroom lessons, meet groups at water supply reservoirs, provide guided tours of watershed protection projects, and support stewardship activities on City-owned watershed lands.</p>
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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

47-40 21st Street
Long Island City, NY 11101-5407

www.dec.ny.gov

(718) 482-6404
r2ed@gw.dec.state.ny.us

DEC conducts education and interpretive programs across New York State • Our goal is to encourage the stewardship of natural resources and the enhancement of environmental quality through programs that give adults and youth direct hands-on contact with the environment • DEC manages more than 3 million acres of State-owned lands – including the “forever wild” Catskill Forest Preserve – which are open to the public for recreation • We train educators to conduct environmental learning activities using three nationally-recognized curricula: Project WILD, Project WET, and Project Learning Tree • DEC staff are available to meet watershed tour groups, conduct interpretive programs on State-owned lands, and conduct classroom lessons.

PROJECT WILD

Rogers EEC • 2721 Route 80
Sherburne, NY 13460-4507

www.dec.ny.gov/education/1900.html

(607) 674-4017 ext. 626
projwild@gw.dec.state.ny.us

Project WILD is an award-winning education program designed for teachers and youth leaders that helps them teach students in grades K-12 about basic wildlife concepts • Project WILD also helps students to develop environmental awareness skills and behaviors that will lead to responsible human interaction with the natural world • In New York, Project WILD is administered by the NYS DEC and the curriculum is correlated to New York State Learning Standards • To obtain the Project WILD curriculum, participants must attend a free three-hour training workshop that also meets the requirements for in-service training and college credits • Project WILD training workshops are offered periodically throughout New York State each year.

PROJECT LEARNING TREE (PLT)

NYSDEC • 625 Broadway
Albany, NY 12233-4500

www.dec.ny.gov/education/1908.html

(518) 402-8043
plt@gw.dec.state.ny.us

PLT is an award-winning curriculum designed to help students and educators acquire an awareness and knowledge of the natural world • In New York, PLT is co-sponsored by the NYS DEC and State Education Department in collaboration with the American Forest Foundation (www.plt.org) • The PLT curriculum – which includes an elementary school module (preK-8) and four high school modules (Forest Issues, Forest Ecology, Solid Waste, Assessing Risk) – is correlated with the NYS Science Core Curriculum and Social Studies Core Curriculum • To obtain the PLT curriculum, you must attend a free six-hour training workshop – these are offered periodically throughout New York State each year.

PROJECT WET (WATER EDUCATION FOR TEACHERS)

Stony Kill EEC • 79 Farmstead Lane
Wappingers Falls, NY 12590

www.dec.ny.gov/education/1902.html

((845) 831-8780 ext. 321
dxmehala@gw.dec.state.ny.us

Project WET (www.projectwet.org) is a collection of innovative, water-related activities that are hands-on, easy to use, fun, and easily incorporated into a school's existing curricula • Project WET is intended for teachers and non-formal educators working with students in grades K-12 • The goal of Project WET is to facilitate and promote awareness, appreciation, knowledge, and stewardship of water resources through the development and dissemination of classroom-ready teaching aides and programs • Students learn that water is a shared resource as well as a shared responsibility • To obtain the Project WET curriculum, you must attend a free six-hour training workshop – these are offered periodically throughout New York State each year.

SARATOGA TREE NURSERY SCHOOL SEEDLING PROGRAM

2369 Route 50 South
Saratoga Springs, NY 12866

www.dec.ny.gov/animals/9393.html

(518) 581-1439
flands@dec.gw.dec.state.ny.us

Our program is administered by the NYS DEC and is intended to provide New York State school students with the experience of planting and caring for a seedling tree to help them learn about the natural world and the value of trees • Eligibility is open to all grade levels in public, private, parochial or vocational schools as well as colleges and universities • The nursery will provide 50 seedlings of either a spruce or pine species to each participating school to be shipped via UPS beginning in early April through the second week of May (for schools where planting space is limited, an urban wildlife packet is available that contains 25 shrub seedlings) • Interested teachers or educators should contact their regional DEC office or the Saratoga Tree Nursery.

STREAM WATCH

The Catskill Center
PO Box 504 • Arkville, NY 12406

www.catskillcenter.org

(845) 586-2611
abennett@catskillcenter.org

Streamwatch is a four-consecutive-day educational program available to any school (grades K-12) in the six-county Catskill region (Delaware, Greene, Otsego, Schoharie, Sullivan, Ulster) • The goal of Streamwatch is to promote environmental stewardship and get kids excited about science through the collection and study of macro-invertebrates in local streams • Participating schools will receive three classroom visits and conduct one field trip to a local stream where students will assess the biological, chemical, and physical parameters of collected stream water samples • Although Streamwatch is offered for a fee by the Catskill Center for Conservation and Development, grant funding is available through the CWC Public Education Grants Program.

TEACHING THE HUDSON VALLEY

4097 Albany Post Road
Hyde Park, NY 12538

www.teachingthehudsonvalley.org

(845) 229-9116 ext. 35
deborah_duke@nps.gov

Housed at the FDR National Historic Site in Dutchess County, we are a partnership program designed to help teachers share the Valley's special places with students and encourage collaboration between schools and significant places • Project partners include the Hudson River Valley National Heritage Area, New York State DEC, Hudson River Valley Institute at Marist College, and the National Park Service • We make curriculum development grants to schools and sites of cultural, ecological, or historical significance • We also hold programs, including an annual institute for K-12 teachers, educators, librarians, local historians, and others • Applying for grants is free, but our programs may require a reservation and/or fee.

TROUT IN THE CLASSROOM

Trout Unlimited c/o New York City DEP
59-17 Junction Blvd • Flushing, NY 11368

www.troutintheclassroom.org

((718) 595-6706
layvazian@tu.org

Trout in the Classroom (TIC) is a year-long conservation education program that helps teachers and their students in grades K-12 to raise trout in classroom aquariums and release them into coldwater streams • Our mission is to connect New York students with their watersheds • The TIC coordinator is available year-round to visit classrooms, provide assistance with lesson plans and trout equipment setup, and help facilitate trout releases, water studies, and macro-invertebrate studies • Teacher conferences for participants take place in the Fall and early Spring • In later Spring, upstate environmental field days are scheduled to facilitate trout releases into a watershed stream • Participation in the TIC program is free, but it requires advance registration.

UNITED STATES FOREST SERVICE

271 Mast Road
Durham, NH 03824

www.na.fs.fed.us/coned/

(603) 868-7706
smcox@fs.fed.us

Our motto is "caring for the land and serving people" • Our educational mission is to connect people to the land by providing them with the tools they need to take informed actions related to sustaining natural and cultural resources • The US Forest Service is an active partner in supporting the NYC Watershed Forestry Program through special project grant funding and technical support • We offer a range of conservation education programs, publications, videos, curricula and other resources such as: "If Trees Could Talk" (an 8-module curriculum correlated to national history and social studies standards), "Smokey Bear" (national symbol for fire prevention) and "Woodsy Owl" (promotes caring for the land, recycling and conservation of natural resources).

WATERSHED AGRICULTURAL COUNCIL

33195 State Highway 10
Walton, NY 13856

www.nycwatershed.org

(845) 865-7790
info@nycwatershed.org

This mission of the Watershed Agricultural Council (WAC) is to support the economic viability of agriculture and forestry through protection of water quality and the promotion of land conservation in the New York City watershed region • With funding and technical support from City, State, Federal and private sources, WAC implements voluntary watershed stewardship incentive programs that support working farm and forest landscapes • WAC staff are available to meet watershed tour groups at specific project sites • WAC also supports two major “Buy Local” branding and marketing campaigns for farm and forest products grown and harvested in the New York City watershed region: www.buypurecatskills.com and www.catskillwoodnet.org.

WATERSHED FORESTRY BUS TOUR GRANTS PROGRAM

Common Ground Educational Consulting
PO Box 121 • Arkville, NY 12406

www.nycwatershed.org/edu_tours.html

(845) 586-1600
jolenych@catskill.net

This program offers matching grants (up to \$3,000) to downstate audiences to organize and conduct forestry related educational field trips to the upstate water supply watersheds (East or West of Hudson) • The purpose of the program is to raise awareness about the New York City water supply system among urban water consumers, and to educate this audience about the role and importance of a healthy, well-managed working forest • Eligible participants include any school, organization, community group, professional association, or other interested entity from the five boroughs of New York City • Two grant rounds are held each year – the first grant application deadline is January 1 and the second application deadline is July 1.

WATERSHED FORESTRY INSTITUTE FOR TEACHERS

The Catskill Center
PO Box 504 • Arkville, NY 12406

www.catskillcenter.org/summer.html

(845) 586-2611
jgoren@catskillcenter.org

This five-day educational program is held every summer (July or August) in the Catskill Mountains and is designed to immerse high school & middle school teachers in a hands-on study of forestry & water quality sciences • Participants are trained in specific environmental education curricula and they also receive a small stipend • Eligible participants include any classroom teacher from the five boroughs of New York City or any school serving the residents of the New York City water supply watersheds (East or West of Hudson) • The Institute includes field trips to a watershed model forest, a water supply reservoir, a timber harvest site, a local wood products business, and other watershed project sites as appropriate • The application deadline is mid-May.

WASTEWATER TREATMENT PLANT TOURS

The following wastewater treatment plants (WWTPs) offer educational tours for school groups and other audiences at no charge • These facilities are owned by local municipalities or private entities located within the New York City water supply watersheds • They provide a valuable real-life lesson about the water cycle, water quality, wastewater treatment, and the importance of water conservation and source water protection.

Please call the facility contact person at least one week prior to your visit to discuss appropriate tour group ages and other logistics • Each tour lasts approximately one hour.

Facility	Contact	Availability	Group Size
Clearpool Education Center Clearpool Road	(845) 225-8226	M – Sun 9 am – 5pm	Any group size
Town of Andes WWTP Tremperkill Road	(845) 676-3990 • andeswste@catskill.net	M – F 9 am – 2 pm	20 people
Village of Delhi WWTP NYS Route 10	(607) 746-3638 • wwtp@villageofdelhi.org	M – F 9 am – 12 noon	30 people
Village of Hobart WWTP Back River Road	(607) 538-9822 • reightmyer@nycap.rr.com	M – W anytime	30 people
Village of Hunter WWTP NYS Route 23A	(518) 263-5264 • huntwwtp@localnet.com	T – Th 12 noon – 3 pm	30 people
Village of Stamford WWTP Railroad Avenue	(607) 652-3172 • vstamfordwtp@stny.rr.com	T – Th 9 am – 12 noon	Any group size
Village of Walton WWTP South Street	(607) 865-6993 • waltonwste@stny.rr.com	M – W 9 am – 12 noon	Any group size
Town of Windham WWTP County Route 12	(518) 263-5264 • windwwtp@localnet.com	T – Th 12 noon – 3 pm	30 people

ADDITIONAL NEW YORK CITY RESOURCES

Alley Pond Environmental Center	www.alleypond.com
American Museum of Natural History	www.amnh.org
Battery Park City Parks Conservancy	www.bpcparks.org
Bronx River Alliance	www.bronxriver.org
Brooklyn Center for the Urban Environment	www.bcue.org
Central Park Conservancy	www.centralparknyc.org
City Parks Foundation	www.cityparksfoundation.org
Council on the Environment of New York City	www.cenyc.org
Gateway National Recreational Area	www.nps.gov/gate/
Global Learning and Observations to Benefit the Environment (GLOBE)	www.globe.gov
Hudson River Park	www.hudsonriverpark.org
Lower Eastside Ecology Center	www.lesecologycenter.org
Museum of the City of New York	www.mcny.org
New York Aquarium	www.nyaquarium.com
New York Hall of Science	www.nyscience.org
New York Restoration Project	www.nyrp.org
New York City Department of Parks and Recreation	www.nycgovparks.org
New York City Open Accessible Space Information System (OASIS)	www.oasisnyc.net
Queens Museum of Art (QMA)	www.queensmuseum.org
Riverside Park Fund	www.riversideparkfund.org
Rocking the Boat	www.rockingtheboat.org
Science Barge – New York Sun Works	www.nysunworks.org
Soil and Water Conservation District	www.nycswcd.net
Solar 1	www.solar1.org
South Street Seaport Museum	www.southstseaport.org
United States Environmental Protection Agency	www.epa.gov