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Birds

Books:

Compiled by the Wallerstein Collaborative for Urban Environmental Education, NYU. 2009.
Updated January 2009

Burton, Robert, Bird, Stephen W. (1999) National Audubon Society. *The Audubon Backyard Birdwatcher: Birdfeeders and Bird Gardens*. CA: Thunder Bay Press.

Gilfillan, Merrill. (2003) *Rivers & Birds*. Boulder: Johnson Books.

Peterson, Roger Tory (Series Editor). (2002) *A Field Guide to the Birds of Eastern and Central North America*, 5th edition. Boston: Houghton Mifflin.

Websites:

50 Birds

<http://www.50birds.com/Default.htm>

Audubon New York - *For the Birds!*

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

Cornell Lab of Ornithology - Classroom Feeder Watch

<http://birds.cornell.edu/cfw/home.html>

Enchanted Learning - All about Birds

<http://www.enchantedlearning.com/subjects/birds/>

Great Backyard Bird Count

<http://www.birdsource.org/gbbc/>

New York City Audubon

<http://www.nycaudubon.org>

New York/ New Jersey Harbor Estuary Program

<http://www.seagrant.sunysb.edu/hep/index.htm>

New York State Department of Environmental Conservation - NYS Bird Conservation Area Program

<http://www.dec.ny.gov/animals/271.html>

NYC Audubon's 2004 Harbor Herons Shore Monitoring Program

The Tidal Exchange - winter 2005

<http://www.seagrant.sunysb.edu/hep/news/TEWinter05.pdf>

PBS - The Life of Birds

<http://www.pbs.org/lifeofbirds/>

Estuaries

Books:

Dwyer, Keith R. (1998) *Estuaries: A Physical Introduction*, 2nd edition. Milton: John Wiley & Sons.

Little, Colin. (2000) *The Biology of Soft Shores and Estuaries (Biology of Habitats)*. Oxford: Oxford University Press.

Websites:

Blue Crab Activity

<http://www.sitesalive.com/tg/wl/private/hs/wkshtwk09.pdf>

Coastal Ecosystem Curriculum

http://www.farallones.org/education/materials_and_resources.php

Coastal Research and Education Society of Long Island, Inc.

http://www.cresli.org/cresli/cresli_educational_materials_.html

Exploring Estuary Education: A teacher's guide to lessons, activities, and field trips in the harbor estuary region.

<http://www.HarborEstuary.org>

Long Island South Shore Estuary Reserve, Natural Resource Access Guide

<http://www.estuary.cog.ny.us>

National Sea Grant Library

<http://nsgd.gso.uri.edu/edu.html>

Ocean Globe- UCLA

<http://www.msc.ucla.edu/oceanglobe/investigations.htm>

Peabody Museum of Natural History

http://www.peabody.yale.edu/education/fellows/pages/pdf/2001_pensky.pdf

Taking an Estuary Field Trip

<http://www.ecy.wa.gov/pubs/0206020c.pdf>

USGS – Water Resources

<http://water.usgs.gov/education.html>

Queens University of Charlotte- Biodiversity Links

<http://campus.queens.edu/faculty/jannr/Ecology/biodiversity.htm>

Fish

Books:

Franklin, Bruce. (2007) *The Most Important Fish in the Sea: Menhaden and America*. Island Press; 1st edition.

Gilbert, Carter Rowell and James D. Williams. (2002) *National Audubon Society Field Guide to North American Fishes*, revised edition. New York: Alfred A. Knopf, Inc.

McClane, A.J. (1978) *McClane's Field Guide to Freshwater Fishes of North America*. New York: Henry Holt & Company, Inc.

National Audubon Society. (2002) *National Audubon Society Field Guide to Fishes : North America*. Knopf; Revised edition.

Ray, Carleton & C. Richard Robins. (1999) *A Field Guide to Atlantic Coast Fishes: North America*, 1986 edition, Boston: Houghton Mifflin.

Journal Articles:

Siemer, W.F. (2001). "Best practices for curriculum, teaching, and evaluation components of aquatic stewardship education" pp. 18-36 in A.J. Fedler (ed.). *Defining Best Practices in Boating, Fishing, and Stewardship Education*. Recreational Boating & Fishing Foundation, Alexandria, VA (available as .pdf file from RBFF).

Siemer, W. F. and B. A. Knuth. (2001). "Effects of fishing education programs on antecedents of responsible environmental behavior" *Journal of Environmental Education* 32(4), 23-29.

Websites:

Fish Printouts- Enchanted Learning

<http://www.enchantedlearning.com/subjects/fish/printouts/index.shtml>

Gotham Fish Tales Website

<http://www.gothamfishtales.com>

Hudson River Fishermen's Association

<http://www.hrfanj.org/>

2005-2006 Health Advisories: Chemicals in Sport fish and Game –

New York State Department of Health

<http://www.health.state.ny.us/nysdoh/fish/fish.htm>

Geology

Books:

Arduini, Paolo. Horenstein, Sidney. Teruzzi, Giorgio. (1987) *Simon and Schuster's Guide to Fossils*. Fireside publishing

Horenstein, Sidney. (1978) *Big Strawberry Book of Dinosaurs and Other Prehistoric Animals*. Boston: E P Dutton.

Horenstein, Sidney. (1993) *Rocks Tell Stories (Beyond Museum Walls)*. Brookfield: Millbrook Press.

Isachsen, Y.W. et al, (2000) *Geology of New York: a simplified account*, 2nd edition, New York State Museum Educational Leaflet 28.

Perlman, Raymond, Shaffer, Paul. R., Zim, Herbert S. (2001) *Rocks, Gems and Minerals: A Golden Guide from St. Martin's Press*. New York: St. Martin's Press.

Websites:

United State Geological Society (USGS) - Water Resources of New York
<http://ny.water.usgs.gov/htmls/pub/default.html>

Hudson River Estuary Benthic Mapping Project
<http://www.dec.ny.gov/ismaps/benthic/viewer.htm>

Benthic Habitats of NY/ NJ Harbor
<http://www.csc.noaa.gov/lcr/nyharbor/index.html>

Landscape, land use and the iconography of space in the Hudson River valley: the nineteenth and early 20th century
<http://members.aol.com/cragicons/acsci.html>

Hudson River Valley Mapping Lesson Plan
<http://www.hudsonrivervalley.net/amerRevLesson/map.php>

Hudson River

Books:

Adams, G A. (1996) *The Hudson River through the years*. New York: Fordham University Press.

Adler, C.A. (2003) *Walking Manhattan's Rim: The Great Saunter*. New York: Green Eagle Press.

Adler, C.A. (1997) *Walking the Hudson, Batt to Bear: From the Battery to Bear Mountain*. New York: Green Eagle Press.

Barlie, M., and J. Michaels. (1997) *Let's Take the Kids! Great Places to Go With Children in New York's Hudson Valley: (Including the Catskills, the Adirondacks to Lake George the Berkshires, and Cooperstown)*. New York: St. Martin's Press.

- Barnhouse, L. W., and R. J. Klauda. (1988) *Science Law and Hudson River Power Plants: A Case Study in Environmental Impact Assessment*. Bethesda: American Fisheries Society.
- Boyle, R. H. (1979) *The Hudson River: A Natural and Unnatural History* (The Norton Library; N 844). New York: W.W.Norton & Company.
- Buttfield, H. (2000) *Secret Life of Fishes: From Angels to Zebras on the Coral Reef*. New York: Abrams Inc.
- Buttenwieser, A. L., and R.A.M. Stern. (1999) *Manhattan Water-Bound: Manhattan's Waterfront from the Seventeenth Century to the Present*. Syracuse: Syracuse University Press.
- Dunwell, F.F. (1991) *The Hudson River Highlands*. New York: Columbia University Press.
- Glund, R. R. (1975) *Lighthouses and Legends of the Hudson River*. Library Research Associates, Inc.
- Kornblum, W., P. Hamill. and O. Williams. (2002) *At Sea in the City: New York from the Water's Edge*. New York: Algonquin Books.
- La Rocco, B. (2004) *Going Coastal New York City*. New York: Going Coastal, Inc.
- Limburg, K. E., M. A. Moran. and W. H. McDowell. (1986) *The Hudson River Ecosystem (Springer Series on Environmental Management)*. New York: Springer Verlag.
- Load, B. (1971) *On the Banks of the Hudson: A view of Its History and Folklore*. New York: Hill & Wang Publishers.
- Luckenbach, M.E., R. Mann, & Wesson, J.E., (eds). (1999) *Oyster reef habitat restoration: A synopsis of approaches*. Gloucester Point: Virginia Institute of Marine Science.
- McNeer, M. (1960) *Hudson River of History*. Champaign: Garrard Publishing Company.
- Richardson. (1979) *The Hudson River Basin: Environmental Problems and Institutional Response*. Academic Press.
- Ruge, V. F. (1995) *Life Along the Hudson: Wood Engravings of Hudson River Subjects from Harper's weekly, 1859-1903*. New York: Overlook Press.
- Safina, C. (2002) *Eye of the albatross: Visions of Hope and Survival*. New York: Henry Holt and Company, Inc.
- Safina, C. (1999) *Song For the Blue Ocean: Encounters Along the World's Coasts and Beneath the Seas*. New York: Henry Holt and Company, Inc.
- Smith, C. L. (1992) *Estuarine Research in the 1980's: The Hudson River Environmental Society Seventh Symposium on Hudson River Ecology*. Albany: State University of New York Press.
- Stanne, Steve. (1996) *The Hudson: An Illustrated Guide to the Living River*. New Brunswick: Rutgers University Press.

- Tanacredi, J.T. (ed.) (2001) *Limulus in the Limelight*. Kluwer Academic Publishers.
- Teal, J., Teal, M. (1969) *Life and Death of the Salt Marsh*. New York: Balantine Books.
- Voshell, J.R. Jr. (2002) *A Guide to Common Freshwater Invertebrates of North America*. Granville: McDonald and Woodward Publishing Co.
- Waldman, J. (2000) *Heartbeats in the Muck: A Dramatic Look at the History, Sea life, and Environment of New York Harbor*. Lyons Press.

Journal Articles:

- Breitburg, D.L., Coen, L, Luckenbach, M., Mann, R., & Posey, M. (2000). "Oyster reef restoration: Meeting both harvest and ecological goals". *Journal of Shellfish Research* 19 (1), 371-77.
- Chu, F.L.E., Soudant, P., Cruz-Rodriguez, L.A., & Hale, R.C. (2000). "PCB uptake and accumulation by oysters (*Crassostrea virginica*) exposed via contaminated algal paste". *Marine Environmental Research*. 50, 217-221.
- Wall, G. R., Riva-Murray, K., and P. J. Philips. National Water-Quality Assessment Program. (1998) "Water Quality in the hudson river basin, New York and adjacent states, 1992-95 (U.S. Geological Survey Circular, 1165). *U S Geological Survey*.

Websites:

A Hudson River Portfolio: Panorama of the Hudson River from New York to Albany
<http://www.nypl.org/research/hudson/index.html>

H2O: Highlands to Ocean
<http://www.regionbuilder.org/>

Henry Hudson and Early Hudson River History
<http://www.ulster.net/~hrmm/halfmoon/halfmoon.htm>

History Matters
<http://historymatters.gmu.edu/>

Henry Hudson and An Indian Perspective
<http://historymatters.gmu.edu/d/5829/>

View of Hudson River in 1840's
<http://www.mcny.org/>

Native American Tribes of the Hudson River
<http://www.hhr.highlands.com/native.htm>

History of Hudson River: An American Treasure
<http://www.marist.edu/summerscholars/99/>

History of Hudson River Research at Columbia University

<http://www.ideo.columbia.edu/Hudson/about/history.html>

Invertebrates

Books:

New Jersey Department of Environmental Protection. (1991) *Beneath the Shell: A Teacher's Guide to Nonpoint Source Pollution and its Potential Impact on New Jersey Shellfish*. Trenton, NJ

Strayer, David & Jurka, Kurt. (1997) *The Pearly Mussels of New York State, 1 edition*. Albany: University of the State of New York, State Education Dept.

Journal Articles:

Engel, David W and Marius Brouwer (1984) "Cadmium-binding proteins in the blue crab, *callinectes sapidus*: laboratory-field comparison". *Marine Environmental Research*, 14 (1-4), 139-151.

O'Connor, Joseph M. and Huggett, Robert J. (1988) "Aquatic pollution problems, North Atlantic coast, including Chesapeake Bay". *Aquatic Toxicology*, 11(1-2), 163-190.

Ristich, S., Crandall, M. and Fortier, J.(March 1977) "Benthic and epibenthic macroinvertebrates of the Hudson River : Distribution, natural history and community structure" *Estuarine and Coastal Marine Science*, 5 (2), 255-266 S.

Young-Cheol Cho, Frohnhoefer, Robert. C. and Yull Rhee, G (February 2004) "Bioconcentration and redeposition of polychlorinated biphenyls by zebra mussels (*Dreissena polymorpha*) in the Hudson River" *Water Research*, 38 (3), 769-777.

Websites:

NYSDEC key to Aquatic Macro invertebrates

<http://www.dec.ny.gov/animals/7105.html>

Journaling

Books:

Hinchman, H. (1997). *A Trail Through Leaves: The Journal as a Path to Place*. New York: W.W. Norton & Company.

Leslie, C. W. & Roth, C. E. (2000). *Keeping a Nature Journal: Discover a Whole New Way of Seeing the World Around You*. North Adams, MA.: Storey Books Publishing.

McEwen, C. & Statman, M. (Eds.) (2000). *The Alphabet of the Trees: A Guide to Nature Writing*. New York: Teachers and Writers Collaborative.

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Peterson, Roger Tory. (1995) *Wild America: The Record of a 30,000 Mile Journey Around the Continent by a Distinguished Naturalist and His British Colleague*. Boston: Houghton Mifflin

Websites:

The Roger Tory Peterson Institute

http://www.rtpi.org/?page_id=43

Native Americans

Books:

Adams, R.C. (1997). *Legends of the Delaware Indians and Picture Writing*. Syracuse: Syracuse University Press.

Bierhorst, J. (1995). *Mythology of the Lenape: Guide and Texts*. Tucson: University of Arizona Press.

Bierhorst, J.(Ed.). (1995). *The White Deer: And Other Stories Told by the Lenape*. New York: Morrow, William & Company.

Boyd, P.D. (2004). *Atlantic Highlands, New Jersey: From Lenape Highlands to Bayside Town (Making of America Series)*. Mount Pleasant, SC: Arcadia Publishing.

Grumet, R.S. & Porter, F.W. (1991). *Lenapes*. New York: Chelsea House Publishers.

Hitakonanulaxk. (1993). *The Grandfathers Speak: Native American Folk Tales of the Lenape People*. Northampton: Interlink Publishing Group, Inc.

Kraft, H.C., Kraft, J.T. & Finn, S.E. (1996). *Lenape or Delaware Indians: The Original People of New Jersey, Southeastern New York State, and Eastern Pennsylvania*. South Orange: Seton Hall University Museum.

Laan, N.V. & Vidal, B. (1991). *Rainbow Crow: A Lenape Tale*. New York: Alfred A. Knopf, Inc.

Waldauer, K. (Ed.). (1978). *Lenape Indian Teaching Kits: Introduction to the Lenape*, Vol. 1. Moorestown, NJ: Middle Atlantic Press.

Waldauer, K. (Ed.). (1978). *Lenape Indian Teaching Kits: Lenape Lore/Folk Medicines*, Vol. 2. Moorestown, NJ: Middle Atlantic Press.

Waldauer, K. (Ed.). (1979). *Lenape Indian Teaching Kits: Lenape Lore/Clothing, Shelter, Crafts, Weapons, Tools and Specialties*, Vol. 3. Moorestown, NJ: Middle Atlantic Press.

Websites:

Delaware (Lenape) Tribe of Indians
<http://www.delawaretribeofindians.nsn.us/>

Facts for Kids: Lenni Lenape Indian Tribe
http://www.geocities.com/bigorin/lenape_kids.htm
Lenape Indians.Com
<http://www.lenapeindians.com/>

Indian Tribes of the Hudson River
<http://hhr.highlands.com/native.htm>

Oceans

Books:

Cole, Joanna. (1994) *The Magic Schoolbus on the Ocean Floor*. New York: Scholastic Press

Pratt, Kristin Joy. (1994) *A Swim Through the Sea*. Nevada City: Dawn Publications.

Simon, Seymour. (1997) *Oceans*. New York: Harper Trophy Publishing

Sverdrup, Keith A, Duxbury, Allison B. (2004) *An Introduction to the World's Oceans*. Columbus: McGraw-Hill Science/Engineering/Math.

Websites:

Bridge: Ocean Sciences Teacher Resource Center
<http://www.vims.edu/bridge>

Coastal Ecosystem Curriculum
<http://www.farallones.org/documents/education/SandyBeach.pdf>

Department of Fisheries and Oceans, Canada: The Big Blue Bus
http://www.dfo-mpo.gc.ca/canwaters-eauxcan/bbb-lgb/index_e.asp

Federal Resources for Educational Excellence- Oceanography
<http://wdcrobcolp01.ed.gov/cfapps/free/displaysubject.cfm?sid=8>

Ocean link
<http://oceanlink.island.net/index.html>

PBS- Secrets of the Ocean Realm
<http://www.pbs.org/oceanrealm/intheschool/index.html>

Sea WIFS Satellite Imagery
<http://oceancolor.gsfc.nasa.gov/SeaWiFS/TEACHERS/>

United Nations—Year of the Ocean
<http://ioc.unesco.org/iyo/activities/education.htm>

Oysters

Books:

Luckenbach, M.E., R. Mann, and J.E Wesson. (Eds.) (1999) *Oyster Reef Habitat Restoration: A Synopsis of Approaches*. Gloucester Point: Virginia Institute of Marine Science.

Journal Articles:

Breitburg, D.L., L. Coen, M. Luckenbach, R. Mann, and M. Posey. (2000) "Oyster reef restoration: Meeting both harvest and ecological goals." *Journal of Shellfish Research* 19 (1), 371-377.

Chu, F.L.E., P.Soudant, L.A. Cruz-Rodriguez and R.C Hale. (2000) "PCB uptake and accumulation by oysters (*Crassostrea virginica*) exposed via contaminated algal paste." *Maine Environmental Research* .50: 217-221

Websites:

River Lab Oyster Lesson Plan

<http://cpmcnet.columbia.edu/dept/physio/schools/cas/h2olesson.html>

Maryland Aquafarmer-Creating Oyster Habitat: What makes a good site?

<http://www.mdsq.umd.edu/Extension/Aquafarmer/Spring01.html>

The Bridge- Ocean Sciences Teacher Resource Center- Oyster Gardens

http://www.vims.edu/bridge/index_archive0501.html

Education on a Half-Shell, Using Oysters to teach biological concepts

<http://lamer.lsu.edu/classroom/edonahalfshell/culturecycle.htm>

Baykeeper- Oyster Restoration Program

<http://www.nynjbaykeeper.org/programs/42>

Build your own oyster reef (Interactive website)

<http://www.urbanrivers.org/oysterreef/index.html>

Plankton

Books:

Cerullo ,Mary M. and Bill Curtsinger. (1999) *Sea Soup: Phytoplankton*. Gardiner, ME: Tilbury House Publishers

- Cerullo, Mary M. and Bill Curtsinger. (2001) *Sea Soup: Zooplankton*. Gardiner, ME: Tilbury House Publishers.
- Gowen, A.W. and H.F. Mulligan. (1978) *A Photographic Guide to the Phytoplankton of the Coastal Waters, Gulf of Maine*. Ithaca: Shoals Marine Laboratory.
- Hardy, A.C. (1956) *The Open Sea: Its Natural History: The World of Plankton*. London: Collins Publishing.
- Pace, M. L., and D. J. Lonsdale. *Ecology of the Hudson Zooplankton Community*. J. S. Levinton (ed.). The Hudson River. (in press).
- Robb, Jackie.Berny. Stringle, Karen Duncan. (2003) *The Story of Plankton (Bang on the Door Series)* London: Chrysalis Books.
- Stevens, Betsy T., Giebfried, Rosemary. (1999) *Sea Soup Teacher's Guide: Discovering the Watery World of Phytoplankton and Zooplankton*. Gardiner, ME: Tilbury House Publishers.
- Thomas, Carmelo (Ed). (1997) *Identifying Marine Phytoplankton*. San Diego: Academic Press
- Ulrich, Sommer (Ed.). (1989) *Plankton Ecology*. New York: Springer-Verlag.
- Vinyard, W.C. (1979) *Diatoms of North America*. Eureka, CA: Mad River Press, Inc.
- Wimpenny, R.S. (1966) *The Plankton of the Sea*. New York: American Elsevier Publishers.

Journal Articles:

- Carlson, D.M. (1978) "The ecological role of zooplankton in a Long Island salt marsh." *Estuaries*, 1:85-92.
- Fisher, N.S., V.T. Breslin, and M. Levandowsky. (1995) "Accumulation of silver and lead in estuarine micro zooplankton." *Marine Ecology Progress Series* 116: 207-215.
- Pace, M. L., S. Findlay, and D. Lints. (1992) "Zooplankton in advective environments: The Hudson River community and a comparative analysis." *Canadian Journal of Fisheries and Aquatic Sciences*. 49:1060-1069.

Websites:

Guide Sheet for Phytoplankton

<http://octopus.gma.org/space1/guide.html>

Microscopy – UK

<http://www.microscopy-uk.org.uk/index.html?http://www.microscopy-uk.org.uk/pond/index.html>

Playing Around with Plankton

http://www.peabody.yale.edu/education/fellows/pages/pdf/2001_pensky.pdf

Project Oceanography- Getting to Know Plankton

<http://www.marine.usf.edu/pjocean/packets/f01/f01u6p2.pdf>

Queens University of Charlotte- Biodiversity Links
<http://campus.queens.edu/faculty/jannr/Ecology/biodiversity.htm>

Organizations

Estuarine Research Federation
<http://www.erf.org/Welcome.html>

The Globe Program
http://www.globe.gov/globe_flash.html

The Groundwater Foundation
<http://www.groundwater.org>

Hudson River Basin Watch
<http://www.hudsonbasin.org/>

Hudson River Fishermen's Association
<http://www.hrfanj.org/>

Hudson River Foundation
<http://www.hudsonriver.org/>

Institute of Ecosystem Studies
<http://www.ecostudies.org/>

Jason Project
<http://www.jasonproject.org>

MEER Educational Programs
<http://www.meer.org/eduprogs.htm>

New York City Audubon Society
<http://www.nycaudubon.org/home/>

New York City Department of Environmental Protection (DEP)
<http://www.ci.nyc.ny.us>

New York City Soil and Water Conservation District
<http://www.nycswcd.net>

New York State Department of Environmental Conservation (DEC)
<http://www.dec.ny.gov/>

New York State Department of Health
<http://www.health.state.ny.us>

New York State Marine Education Association
<http://www.nysmea.org>

NY/NJ Baykeeper – Oyster Restoration
<http://www.nynjbaykeeper.org/programs/42>

River Keeper
<http://www.riverkeeper.org/index.php>

The Hudson Basin River Watch
<http://www.hudsonbasin.org>

The Hudson River Estuary Program
<http://www.dec.ny.gov/lands/4920.html>

The River Project
<http://www.riverproject.org/>

U.S. Environmental Protection Agency (EPA)
<http://www.epa.gov/teachers>

United State Geological Society (USGS)- Water Resources of New York
<http://ny.water.usgs.gov/htmls/pub/default.html>

Waterkeeper Alliance
<http://www.waterkeeper.org/>

Wildlife Conservation Society (NY Aquarium)
<http://wcs.org/home/education>

Teacher Resources

EPA Environmental Education and Youth Programs
<http://www.epa.gov/region02/ee/>

Estuarine Research Federation
<http://www.erf.org/Welcome.html>

Hudson River Basin Watch
<http://www.hudsonbasin.org/>

The Globe Program
http://www.globe.gov/globe_flash.html

NYS Department of Environmental Conservation
Project WET and Project Aquatic Wild Workshops
<http://www.dec.ny.gov/education/1913.html>

Signals of Spring

<http://www.signalsofpring.net>

Trust for Public Land- Teacher's Resource Program

http://www.tpl.org/tier3_cdl.cfm?content_item_id=8086&folder_id=1805

Organization Programs

NY Sunworks Science Barge (on-site)

http://nysunworks.org/science_barge/education_program.html

- Outdoor classroom
- Hands-on sustainable technology
- Students build their own miniature sustainable farm, using solar powered fans and natural materials.

Department of Environmental Conservation (on-site and in-class)

<http://www.dec.ny.gov/26.html>

- Environmental awareness around New York State.
- Interpretive trails
- Exhibit areas
- Guided field trips through diverse habitats.

NYC Soil & Water Conservation (in-class)

http://www.nycswcd.net/environmental_ed.cfm

- Experience-based, interdisciplinary environmental education in New York City.
- Hands-on, field-based science education
- Community-based environmental education
- Volunteer and Student Monitors, Harlem Hudson and Wonderful Watersheds.

NYC Audubon (in-class)

<http://www.nycaudubon.org/home/>

- Eco Adventures
- Birding Adventures
- Field School
- Look Around NYC: Birding Adventures for Kids
- Trips with Partnership Organizations

Department of Environmental Protection (in-class)

<http://www.nyc.gov/html/dep/html/home/home.shtml>

- Guided field trips
- Speakers
- Teacher workshops
- Art and Poetry Contest
- Classroom resources
- Newtown Creek Nature Walk Scavenger Hunt

- New York City DEP and the Tribeca Performing Arts Center present: *City that Drinks the Mountain Sky*
- Living Harbor Wet Lab

Liberty Science Center (on-site)

<http://www.lsc.org/>

- Lab Workshops
- Enhanced Experience
- School Residency Program
- Electronic Field Trips
- Live From...
- Traveling Science
- Partners in Science
- After School Science

American Museum of Natural History (on-site)

<http://www.amnh.org/>

- Discovery Room
- Earth and Space Programs
- Hayden Planetarium Space Shows
- IMAX Films

Teacher Opportunities

New York State Marine Education Association

<http://www.nysmea.org/>

Sea World Adventure Camp

<http://www.swbg-adventurecamps.com>

U.S. National Oceanic and Atmospheric Administration (NOAA) Teacher at Sea

<http://www.tas.noaa.gov>

Whale Camp

<http://www.whalecamp.com/programs.htm>

Woods Hole Sea Education Association

<http://www.sea.edu/academics/k12.asp>

Teacher Supplies

Acorn Naturalists - turbidity test kits, secchi discs, dissolved oxygen test kits using tablets

www.acornnaturalists.com

Bare Books – journals
www.barebooks.com

Ben Meadows – litmus strips, transparency tube, dissolved oxygen test kits (ampoules or titration)
www.benmeadows.com

Campmore – braided nylon rope
www.campmore.com

Carolina – thermometer for classroom
www.carolina.com

Forestry Suppliers Inc. – tape measure
www.forestry-suppliers.com

MapTech Inc. – waterproof maps
www.maptech.com

Marine Depot – hydrometers
www.marinedepot.com

Museum Products – water cycle chart, cloud identification chart, binoculars, individual thermometers
www.museumproducts.net

United States Plastic Corp. – plastic buckets
www.usplastic.com

Please visit our website at <http://steinhardt.nyu.edu/wallerstein/resources/> for a more extensive list of teacher materials and supplies.