

The Association of Vermont Recyclers (AVR)

Positive Change Begins with Personal Choice

P.O. Box 428

Plainfield, VT 05667

TEL: (802) 454-8400

FAX: (802) 454-8401

WEB SITE: www.vtrecyclers.org

E-MAIL: education@vtrecyclers.org

CONTACT: Peter Garrity, Program Manager

AVR, a non-profit environmental education organization, began in 1982 as a grassroots effort to institute recycling in Vermont.

MISSION

AVR builds community action by directing youth, teachers, schools and communities to a clear understanding of pertinent solid and hazardous waste issues and supports sustainable waste reduction programs.

PROGRAMS/SERVICES/MATERIALS

THEATER

- Blazin' Barrels (*Backyard burning*)
- Chef Suzette's Feedbag Restaurant
(*Composting*)
- End of the World Show
(*Media literacy, Consumerism*)
- Ghosts of Products Past
(*Consumerism, Waste reduction*)
- Sold! The Consuming of the
American Kid (*Consumerism*)
- Stuffed! (*Consumerism*)
- The Chlorine Files (*Chlorine-Free
paper, Water pollution*)
- Think before you Throw
(*Household hazardous waste, Water
pollution, 3 R's*)
- The "R" Files (*Waste reduction*)
- Junk Music (*3 R's*)

Please inquire about special pricing.

SCHOOL TECHNICAL ASSISTANCE

AVR works with a team from your school or community to create sustainable waste reduction programs.

- **Teacher Training in Waste Reduction Curriculum & Practices**
- **Recycling & Composting.** Working with a core group drawn from youth, administration and custodians, a waste reduction program is developed and implemented. Projects might include a waste audit, public assemblies, workshops, signage and awareness projects, media publicity, and creation of an action plan.
- **Environmentally Preferable (EP) Cleaners.** AVR staff visits schools and businesses to complete maintenance chemical audits and provides helpful recommendations for switching to environmentally friendly cleaning products.
- **Indoor Air Quality Training.** This training provides school staff and faculty an overview of indoor air quality in schools, Environmentally Preferable cleaners, proper disposal of hazardous waste, and the Vermont Department of Health's Envision Program.
- **Environmental club assistance.** AVR works with clubs to address challenges or offer best practice tips. Projects often include awareness projects, leadership training, and essential skill building.

- **Trash on the Lawn Day.** This waste audit energizes environmental clubs and involves youth in creating sustainable waste reduction programs.
- **Youth Environmental Summit (YES).** YES is an annual youth conference planned and organized by teens and members of the Youth Environmental Coalition with support from AVR.
- **Local and state-wide campaigns.** AVR assists youth with appropriate and efficient advocacy through education and skill building, and networking with other youth across Vermont.

COMMUNITY OUTREACH

AVR offers several adult-oriented programs for your community. These include:

- **Town-wide promotional campaigns** target varied stakeholders in your community using multi-media to communicate your waste reduction message. All AVR programs may be used.
- **Healthy Home, Clean Water educational exhibit tables** are hosted by a knowledgeable AVR consultant, and is a great addition at Home Shows, Health Fairs, active transfer stations with Household Hazardous Waste Collection days, and other events.
- **Healthy Home, Clean Water Eco Parties** are a non-threatening opportunity for interested friends and neighbors to gather and consider toxins in their homes, and easy ways to switch to alternative cleaners
- **Healthy Home Clean Water workshop**, hosted by a knowledgeable AVR consultant, provides an overview of hazardous products in the home, their health and environmental effects, and hands-on practice making and using non-toxic cleaners.
- **Youth and Adult Education:** AVR offers a diverse selection of interactive theater shows and workshops. The theater productions serve as entertaining, educational assemblies. Interdisciplinary workshops are great supplements to existing lesson plans or stand-alone educational opportunities.

Audubon Vermont

255 Sherman Hollow Road
 Huntington, VT 05462
 TEL: (802) 434-3068
 FAX: (802) 434-4686
 WEB SITE: www.vt.audubon.org
 CONTACT: Kim Guertin, Program
 Director, kguertin@audubon.org

Audubon Vermont serves as the National Audubon Society's Vermont State Office. Its mission is to protect birds, wildlife, and their habitat by creating a culture of conservation in collaboration with Audubon chapters in Vermont through education, research and advocacy. The main headquarters are located at the Green Mountain Audubon Center with seven chapters working at the grassroots level throughout the state.

PROGRAMS/SERVICES/MATERIALS

- **The Green Mountain Audubon Center** is located on a 255-acre sanctuary in Huntington, Vermont with over 5 miles of trails. Diverse habitats and abundant wildlife attract more than 10,000 visitors annually.
- **Education Programs for Schools:** The Center serves close to 4,000 students each year from preschool through high school with seasonally based on-site programming. Topics include Wildlife Tracking, Maple Sugaring, Spring Discovery, Birds and Bird Banding, Fall Discovery and Orienteering.
- **Summer Day Camps:** Week-long Ecology Day Camp and Preschool Nature Camp programs give children ages 4-12 a unique, hands-on experience in nature.
- **Adult and Family Programs:** Walks, field trips and workshops on natural history and related topics.
- **Take P.A.R.T. Program** (Program of Audubon Research for Teens) (*ages 15-18*): Summer program for high school students to become immersed in conservation research in Vermont.
 - **Herpetology Team** - July 24-Aug. 3 Lead by Jim Andrews, Middlebury College Research Herpetologist.
 - **Wildlife of the Northern Forest Team** - Aug. 10-20: Partnership with the NorthWoods stewardship Center in the Northeast Kingdom, this team will work on contributing data to the Center's Ecosystem Management Project.
- **Youth Camp** (*ages 10-14*): Participants

spend 10 days learning about the natural world. They come to know the forest, fields, waters, and themselves in a new way.

• **Mountain Journeys** (ages 13-16): Participants spend ten days on the Long Trail exploring Vermont's back-country wilderness, learning about Vermont's mountain ecosystems and responsible backcountry travel skills.

Birds of Vermont Museum

900 Sherman Hollow Road

Huntington, VT 05462

TEL: (802) 434-2167

WEB SITE: www.birdsofvermont.org

E-MAIL: museum@birdsofvermont.org

Robert N. Spear, Jr., Founding Director

CONTACT: Erin Talmage, Museum Director

The Birds of Vermont Museum offers
a unique opportunity to observe

birds that will not fly away! It is dedicated

to promoting knowledge and appreciation of birds through the art of woodcarving.

There are more than 475 biologically accurate carvings of over 230 species, including Vermont's nesting birds in natural habitat displays with actual nests and wooden eggs. There is a gallery of extinct and endangered birds of North America, tropical birds, a display of raptors, and Winter Birds and Wetland dioramas, all done by Bob Spear, one of Vermont's leading naturalists. Live birds at the many feeders in the garden can be viewed through a one-way window. There are several nature trails to the pond and butterfly garden, as well as in the woods. Binoculars are available.

PROGRAMS/SERVICES/MATERIALS

School field trips start with a 8-min-ute video that describes the museum and the tools and methods used to create the birds, followed by a woodcarving demonstration in Bob Spear's workshop. The rest of the visit is self-guided through well-labeled displays. A teacher information packet is sent beforehand with detailed descriptions of all the galleries, scavenger hunt sheets for many age levels meeting Grade Expectations requirements, and an invitation to study the museum ahead of time to enable the teacher to tailor the visit to the kids. *Reservations are required.*
Field Trip Fees: \$2.50 per child, adults free up to 1 to 5 ratio, then \$5.50 each. Trips including Audubon Vermont are to be scheduled through them: 434-3068

HOURS

- MAY 1-OCT. 31: Open daily, 10 AM -4 PM
- NOVEMBER 1-APRIL 30: Open by appointment only
- GENERAL ADMISSION: Members free, Adults \$6, Seniors \$5, Children 3-17 \$3, Family \$15. Discounts for AAA and groups
- MEMBERSHIP: Individual \$25, Family \$40

**Bonnyvale Environmental
Education Center (BEEC)**

P.O. Box 2318 • Brattleboro, VT 05303
TEL: (802) 257-5785
FAX: (802) 254-8559
WEB SITE: www.beec.org
E-MAIL: beec@sover.net
CONTACT: Dr. Bob Winston, Ex. Director

The Bonnyvale Environmental Education Center (BEEC) is a member-based, nonprofit organization founded in 1991 to develop more ecologically informed citizenry through education and action in order to enhance the vitality of southeastern Vermont's bioregion. BEEC serves citizens of all ages through its school, after-school and youth camp programs, family nature programs, reptile and amphibian conservation work, and watershed stewardship and environmental remediation initiatives.

BEEC's outdoor education facility is located at Heifer Hill in West Brattleboro. The quintessential New England hill farm property, Heifer Hill boasts 100 acres of mature forest stands, open pasture lands, hiking trails, sweeping hilltop views, a classroom and a beautiful rural setting less than 10 minutes from downtown Brattleboro.

PROGRAMS/SERVICES/MATERIALS

- **School, After-school, Preschool & Youth Nature Camp Programs** expand students' understanding of the natural world through hands-on scientific exploration, investigation, and discovery.
- **Natural History Programs for families and adults** include astronomy explorations, biodiversity education, planning and protection initiatives, presentations on land use and conservation issues of regional concern, and guided nature walks by area experts.
- **Watershed Stewardship Program** teaches adults and children the science and civics of caring for our regions' precious water resources, and includes an innovative, detailed written watershed curriculum for middle school students.
- **Reptile & Amphibian Conservation** initiatives train citizens scientists to collect field data, monitor populations, document rare species, and carry out BEEC's "Big Night Salamander Crossing Brigades Project" – an annual event where more than 150 volunteers assist spotted salamanders across busy roadways during springtime migration.
- **BEEC's "Nature Detectives Trail" & Discovery Museum** will provide area children and their families with innovative environmental education programming and natural science sleuthing fun beginning in 2005.
- **Quarterly Newsletter** contains educational articles, BEEC news, and upcoming events.
- **AM Ambles** are free guided hikes to local natural areas on Sunday mornings.

ECHO at the Leahy Center for Lake Champlain

1 College Street • Burlington, VT 05401
(802) 864-1848 ext 120
WEB SITE: www.echovermont.org
CONTACT: Tracy True,
ttrue@echovermont.org

ECHO at the Leahy Center for Lake Champlain educates and delights people about the ecology, culture, history and opportunities for stewardship of the Lake Champlain Basin. Our goal is to pre-serve and improve the lake and its watershed for generations to come. Encompassing nearly 30,000 square feet on the Burlington Waterfront, the two story lake aquarium and science center contains 12,000 gallons of aquariums with more than 60 species of live fish, amphibians, and reptiles surrounded by almost 100 hands-on interactive exhibits in a setting of spectacular views of Lake Champlain.

PROGRAMS/SERVICES/MATERIALS

- **School Programs for K-12:** topics include: Creature Features, Marsh Madness, Tricky Travelers and Their Native Neighbors, Rock and Roll Basin Geology, The Sky Scanners, Hands on the Land, Climate Conundrum, Voices for the Lake and Water Wizardry.
- **Public Events and Lecture Series:** Diverse programs, including regularly scheduled 20-minute demonstrations, animal feedings, traveling exhibits and related activities, talks, and events are offered in the center. Vacation-week programs for children, summer theme days, and teacher training sessions are provided year round.

Food Works

Two Rivers Center for Sustainability

64 Main Street • Montpelier, VT 05602

TEL: (802) 223-1515

FAX: (802) 229-5277

WEB SITE: www.tworiverscenter.org

E-MAIL: info@tworiverscenter.org

CONTACT: Joseph Kiefer, Educational Director

Food Works is a nonprofit, educational consulting firm that works with schools to create Common Roots, a school wide program integrating the themes of food, ecology and community. These themes are the foundation for creating a standards-based, integrated curriculum where hands-on projects drive the course of study. In addition to the skills and concepts acquired through a traditional school setting, students acquire many other practical skills. Gardens teach them how to grow food. Schoolyard Habitats encourage them to be critical thinkers, problem solvers and stewards of the earth. Common Roots gives children the opportunity to develop an understanding and respect for their human and natural communities. Parents and other community members are encouraged to participate in every aspect of the program.

PROGRAMS/SERVICES/MATERIALS

- **Summer Camps:** Herb camps and Gardens for Learning camps offer children an opportunity to deepen their connection to the Earth through hands-on experiential activities such as organic gardening, making herbal products, plant identification, and exploring ecosystems.
- **Workshops/Consultations:** Food Works staff facilitate consulting sessions and workshops for teachers, parents and community groups.
- **Guidebooks:** Available through Food Works. *Contact Food Works for information on teacher-training workshops and in-class presentations based on the guidebooks.*
 - *DIGGING DEEPER: Integrating Youth Gardens Into School and Communities* A step-by-step guide for organizing, designing and constructing children's gardens. This book is full of seasonal gardening activities designed to cultivate high academic performance across subject areas. (\$19.95)
 - *THE WONDERFUL WORLD OF WIGGLERS* Activities, stories and background information on earthworms, including instructions for building an Earthworm Compost Farm. (\$14.95)
 - *THE INDOOR RIVER BOOK* A simple step-by-step teacher's guide for build-ing an indoor aquatic habitat modeled after local watershed. (\$14.95)
 - *EXPLORING THE SECRETS OF THE MEADOW THICKET* Grand-forest, a very old and very wise tree, guides you through activities, games, projects and stories about the plant and animal life that dwell in this dynamic habitat. (\$18.95)
 - *EXPLORING THE FORESTS WITH GRANDFOREST TREE* Grandforest Tree shares his wisdom with stories and informative, hands-on activities relating to the forest. (\$18.95)
 - *IN THE THREE SISTERS GARDEN* Background information, stories and activities for creating a Three Sisters, Native American Garden. (\$24.95)
 - *LIVING TRADITIONS* Developing a place-based curriculum that focuses on local history, cultural heritage, and community. (\$19.95)

Four Winds Nature Institute

4 Casey Road

Chittenden, VT 05737

(802) 483-2917

WEB SITE: www.fourwindsinstitute.org

E-MAIL: info@fourwindsinstitute.org

Four Winds Nature Institute advances the understanding, appreciation, and protection of the environment through community-based natural science education and research.

Community: By offering natural science lessons for adults to share with children, Four Winds creates a community of learners exploring nature together right in their own neighborhoods. With 90 schools in VT, NH and MA enrolled in our program, we reach over 1,100 volunteers and 12,000 students every month.

Environment: Our programs help adults and children understand and appreciate the world around us. From stream life to cloud types, from feathers to the forest floor, each topic relates to a broader natural history concept.

Education: Four Winds' programs involve each learner in observing, investigating, and making discoveries firsthand through active exploration. Our inquiry-based natural science lessons for school children directly support state and national science awards.

PROGRAMS/SERVICES/MATERIALS

- **The Nature Program** Monthly two-hour trainings for adult volunteers interested in sharing their love of nature with elementary school children
- **Young Naturalist Series** Includes Nature Writing & Poetry, Drawing from Nature, Nature Puppetry, and Nature Journaling
- **Naturalist-Led Field Trips:**
Offered as seasonal training workshops for volunteers, preparing them to lead student outings in their community
- **Teacher Training:** Graduate level courses on natural science instruction for classroom teachers

Friends of Hildene

P.O. Box 377
Manchester, VT 05254
(802) 362-1788
WEB SITE: www.hildene.org
E-MAIL: Diane@hildene.org
CONTACT: Diane Newton

In keeping with its mission to serve as an educational resource, Hildene strives to offer a variety of educational programs for children and adults.

PROGRAMS/SERVICES/MATERIALS

Year-round standards-based history and natural history programs provide connections to classroom studies and offer hands on learning for students:

Natural History

- Pond & Stream Investigation
- Vernal Pool & Wetland Ecosystem Investigations
- Beaver Habitat & Adaptations
- Honeybees & Monarchs
- Winter Wildlife Adaptations & Tracking

History

- 1832 Hollow School
- Tour of Hildene Mansion and Formal Gardens
- Civil War Exhibit & Camp Life
- Historic Crafts

Summer Day Camps

Nature, Agriculture & Art, River & Forest Explorations, Farm Animals, Outdoor Sculptures, Hikes, Crafts, Games & Fun!

Friends of the North Branch Nature Center

713 Elm Street
Montpelier, VT 05602
(802) 229-6206

www.northbranchnaturecenter.org
CONTACT: Charles H. Darmstadt,
chip@northbranchnaturecenter.org

PROGRAMS/SERVICES/MATERIALS

NBNC is a community-based educational facility on 28 acres that offers natural science education programs for school groups (on-site and at schools), homeschoolers, adults, and children. Programs include pre-school teacher training, summer and school vacation camps, a teen naturalist club, and a variety of talks, walks, workshops, and courses. Exhibits, hiking trails. River and Watershed Programs focus on ecology and human land use through outdoor river investigations and indoor activities.

Green Across the Pacific

1594 North Orwell Rd.
Shoreham, VT 05770-9565
(802) 897-5232
WEB SITE: www.gatp.org
CONTACT: Peter Lynch, peter@gatp.org

The Green Mountain Club

4711 Waterbury-Stowe Road
Waterbury Center, VT 05677
TEL: (802) 244-7037 ext 17
FAX: (802) 244-5867
WEB SITE: www.greenmountainclub.org
E-MAIL:
pantosketcham@greenmountainclub.org
CONTACT: Pete Antos-Ketcham, Education Coordinator/Facilities Manager

GOALS

- To make the Vermont mountains play a larger part in the life of the people by protecting and maintaining the Long Trail System and fostering, through education, the stewardship of Vermont's hiking trails and mountains. The Education Program seeks to teach safe outdoor travel skills, promote backcountry appreciation and active stewardship of Vermont's trails and mountains.
- To promote and educate for safe outdoor travel, nature study and conservation awareness.

PROGRAMS/SERVICES/MATERIALS

Year-round outdoor travel and natural history workshops, school and group outreach programs, leadership and leave no trace trainings, special events including annual Snowshoe Festival and James P. Taylor Winter Series.

- *LONG TRAIL GUIDE*
- *DAY HIKER'S GUIDE TO VERMONT*
- Group Hiking Guide
- *GMC/ATC BACKCOUNTRY SANITATION MANUAL*
- *50 HIKES IN VERMONT*
- *THE LONG TRAIL END-TO-ENDERS GUIDE*
- *A TRIP LEADER'S HANDBOOK*

- Trail Map: Long Trail End to End
- Information, literature, and programs

on hiking in the Northeast can be found at The Marvin B. Gameroff Hiker Center at our headquarters in Waterbury Center. *Open 7 days a week May-October, Monday - Friday, October-May.*

Green Mountain National Forest

231 North Main Street
 Rutland, VT 05701
 (802) 747-6709 or (802) 747-6765
 (TTY/TDD)
 WEB SITE: www.fs.fed.us/r9/gmfl
 E-MAIL: kdiehl@fs.fed.us
 CONTACT: Kathleen Diehl

The Green Mountain National Forest has almost 400,000 acres and represents six percent of the landmass in Vermont. It is managed by the Forest Service, U.S. Department of Agriculture, for a variety of uses and outputs with an emphasis on resources and services that private lands cannot provide. The Forest's scenic beauty stretches nearly two-thirds the length of Vermont, and includes a diversity of landscapes ranging from the rugged, exposed heights of Mount Abraham to the quiet, secluded hollows of Lye Brook Wilderness.

PROGRAMS/SERVICES/MATERIALS

- **Multiple Use Management** The Forest Service is charged by Congress to manage the National Forest for a variety of public benefits – “Multiple Use” is the key phrase. Since demands vary greatly, reaching a balance is a constant challenge to Green Mountain National Forest land managers. During a visit to the Forest, you might encounter evidence of many management activities such as wildlife habitat projects including aspen regeneration, apple tree release, controlled burning for opening maintenance, reintroduction of the peregrine falcon, in-stream improvements for fishery habitat, deer wintering area improvement and many others. Less than one percent of the Forest is logged every year. You might see regeneration cuts averaging about 15-20 acres each, selective cutting timber stand improvement, and areas being planted. You would see evidence of extensive winter trail networks for cross-country skiers and snowmobilers. Three downhill ski areas, Sugarbush, Bromley, and Mt. Snow, are partially located on the National Forest under special use permits.
- **Recreation Opportunities** Whether you are a hiker, skier, snow shoer, camper, back-country or wilderness lover, hunter, fisherman or woman, the GNMNF can provide the recreational experience you are seeking.
- **900 miles of hiking/snowmobile trails** criss-cross the Forest, including the Appalachian/Long Trail which winds its way along the ridge line of the main range of the Green Mountains for 264 miles. The trail system contains a network of shelters spaced approximately one day's hike apart for the hikers' convenience and to ease the impact of overnight camping on the environment. The trails and shelters are cooperatively maintained by the Green Mountain Club and the Forest Service.
- **Six wildernesses** and **White Rocks National Recreation Area** offer unique opportunities for backpackers to enjoy nature's solitude amid some of Vermont's most spectacular scenery.
- **Primitive camping** is available throughout the Forest. Developed camping is available for those who prefer to drive to their campsites. There are nine developed campgrounds on the Forest with a total of 102 campsites. Each campground has its own special attraction, whether it is the swimming beach at Hapgood Pond in Peru, the relaxing sound of Greendale Brook flowing by Greendale Campground in Weston, or the playing field at Moosalamoo in Goshen.
- **Nine picnic sites** on the Forest for day use activities. Berry picking, birding, fishing, hunting, cross-country and downhill skiing, snow shoeing, and snowmobiling are some of the other activities available on the Forest.
- **A series of Recreation Opportunity Guides** are available from any of our three Ranger Stations or the Headquarters office.

Hazen's Notch Association

P.O. Box 478

Montgomery Center, VT 05471

TEL: (802) 326-4799

FAX: (802) 326-4966

WEB SITE: www.hazensnotch.org

E-MAIL: info@hazensnotch.org

The Hazen's Notch Association is a nonprofit conservation and environmental education organization. The HNA is located in the Hazen's Notch area of the northern Green Mountains in the town of Montgomery. The HNA was founded in 1994 by Sharon and Rolf Anderson to promote and engage in: conservation of open lands, environmental education, stewardship of natural resources, scientific research and outdoor recreation. The HNA also serves as a land trust for the town of Montgomery. Our goals are to bring people together to conserve Vermont's natural resources. We do this primarily by providing education programs to over 40 communities in northern Vermont. The HNA maintains several stewardship demonstration sites in Montgomery that are open to the public.

PROGRAMS/SERVICES/MATERIALS

- **Seasonal Field Trips for K-8 students:** Forest Ecology, Wetlands Ecology, Botany, Birds of the Northeast, Geology, Glaciology, Native Americans, The Long Trail & Mountain Ecology, Cross-country Skiing, Snowshoeing, Winter Adaptations, Maple Sugaring.
- **Outreach Programs to Schools**
 - Bluebird Nestbox Workshop: Learn the history, life cycle and habitat requirements of the eastern bluebird. Build and set out nest boxes on school property. Suitable nest boxes on school property. Suitable for large class and multi-grade groups.
- **Native Americans – Walking Lightly on the Earth** presents the material culture of Eastern Abenaki peoples through demonstrations of wigwams and traditional articles of daily use. Hands-on activities include preparing a “three sisters meal,” making primitive debris shelters, campfire stories, drumming and singing.
- **Kids in Action – Trails for Schools & Communities:** Learn the design and construction of trails for recreation and nature study. Build or repair trails using hand tools and provided materials that minimize impacts to natural resources while providing access to habitats for nature study. Measure and map your trail and create interpretive stations for class use. Apply a multi-disciplinary approach to place-based education that incorporates scientific investigation, math, hands-on projects, art and music. Suitable for K-8. Ideal for school-wide project.
- **Preschool Programs:** The HNA conducts education programs for preschool groups including home school children and Success By Six.
- **Summer Camps:** Six one-week sessions of ecology and adventure camp each summer: four sessions of Day Camp for children ages 6-11; two sessions of Overnight Camp for children ages 10-14. Activities include: nature study, gardening, nature art, Native American studies, tracking, orienteering, hiking, canoeing, kayaking, and swimming.
- **Consultations/Research Stewardship Partner Program** - The HNA assists private, nonprofit, school and municipal landowners with plant inventories, soil and water quality measurements, wildlife habitat assessments, and natural and recreational resource management plans. The HNA will design an approach to your needs that can include creation of voluntary management plans, guidance of citizen stewardship committees and facilitation of public meetings to seek direction and create consensus within a community.
- **Public Events:** A wide variety of events are held throughout the year that are open to the public.
- **Hazen's Notch Nature Festival:** Demonstration of traditional New England crafts by leading craftspeople and historic re-enactors; annually in late September at the Bear Paw Pond Conservation Area.
- **Recreation:** The HNA maintains a network of forty miles of trails and woods roads on 2,000 acres of private land that are open to the public on a limited basis. *The HNA trails are open to cross country skiing and snowshoeing Dec. 15 to April 15. A trail fee is charged. Twenty miles of trails are open to the public for hiking, walking, picnicing and nature study May 15 to Nov. 15. Groups must pre-register and pay an area use fee.*
- **Hazen's Notch News** - quarterly newsletter contains educational articles, news of HNA activities and calendar of events.
- Several sites are available for meetings, retreats or self-directed nature study. Rates vary according to group size/needs.

FACILITIES

- **HNA Welcome Center:** indoor meeting space for up to 30 people with easy access to trails. Suitable for year-round use. *Open daily, 9:00 AM - 5:00 PM, December 15 through April 15. Open weekends May through October*
- **Bear Paw Pond Conservation Area:** 100-acre natural area with nature trails, woods, roads, picnicing, swimming and camping; ideal for retreats and annual meetings in warm weather months.
- **High Ponds Farm:** 400-acre natural area with nature trails and woods roads, picnicing and camping; ideal for retreats, nature study and recreation in warm weather months. *Visitor Center open daily June through October.*

Hulbert Outdoor Center

2968 Lake Morey Road
Fairlee, VT 05045
TEL: (802) 333-3405
FAX: (802) 333-3404
WEB: www.alohafoundation.org/hulbert
CONTACT: Deb Williams
deb_williams@alohafoundation.org

Hulbert Outdoor Center is a nonprofit residential education center offering year-round programs for all ages through school programs, Elderhostel, Management Training, Wilderness Medicine, Nature Photography, Wilderness Trips, Natural History Weekends, Family Camps and Weekend Workshops. Personal growth, community responsibility and environmental awareness are the essence of Hulbert's programs. We specialize in fostering self-reliance, confidence and a sense of cooperation in people of all ages. Presented within the context of the outdoor environment, our carefully organized activities are also designed to increase knowledge of the natural world. Residential programs of varying lengths, as well as day programs can be tailored to meet any group's needs.

Hulbert's governing body is the Aloha Foundation, which runs three summer camps; Aloha, Lanakila and Aloha-Hive, established in 1917.

PROGRAMS/SERVICES/MATERIALS

- **Schools Outdoors:** Residential school programs, private, public and homeschool weeks.
- **TeamWorks:** Management training, team development.
- **Ropes Course:** Course use by residential and day groups as part of overall program.
- **Wilderness Trips:** Schools, Elderhostel, Nature Photography, environmental issues for youth and adult groups. Voyageurs Summer Wilderness Trips for youth ages 10-16.
- **Elderhostel:** Residential programs and canoe trips.
- **Courses & Workshops:** Nature Photography; Wilderness Medicine; Natural History Weekends; Family weekends- canoeing, skiing; Snow Walkers' Rendezvous; Canoe Day
- **Family Camps:** Late summer week and New Year's vacation week; weekends.
- **Facility Rentals:** Winterized conference cabins accommodate 80. Open air cabins accommodate 150.
- **Bi-annual newsletter and public programs calendar.**

Jan Reynolds Productions & Programs

4856 Mountain Road
Stowe, VT 05672
(802) 253-7088
WEB SITE: www.janreynolds.com
E-MAIL: janreynolds@pshift.com

Award-winning author Jan Reynolds uses multi-media presentations to educate and entertain, while using the material from her books and her work with National Geographic Society. By traveling and living with an Indigenous culture on each continent, Tibetans in the Himalaya, Tuareg in the Sahara, Sami in Northern Europe, Aboriginals in Australia, Inuit in North America,

Yanamama in the Amazon Territory, and the Mongolians, Jan explores how humans have always lived sustainably, in conjunction with the natural world. By looking at our collective human past, we can look into the future, and see that we can return to what we have always known: how to live in harmony with the natural world. Jan also explores the sustainable system of rice farming in Indonesia, and celebration around the world to elicit a sense of cultural tolerance with environmental sustainability. All ages have fun, from kindergarteners to audiences at National Geographic's headquarters, while exploring the world with Jan through images, music and personal lecture.

PROGRAMS/SERVICES/MATERIALS

- **Multi-media presentations** work for all school assemblies, and for groups. Programs include multiple showings and discussion sessions
- **Books and videos** written and produced by Jan are available on her web site www.janreynolds.com
- **Free teaching guide** including national standards also available at www.janreynolds.com
- **Tree-free E-book** available for classroom on website, www.janreynolds.com, using Indonesian Rice Farming to teach the concept of sustainable systems to elementary students.

Keeping Track, Inc.

P.O. Box 444 • Huntington, VT 05462

TEL: (802) 434-7000

FAX: (802) 434-5383

WEB SITE: www.keepingtrack.org

E-MAIL: info@keepingtrack.org

CONTACT: Bobbie Summers

MISSION

Keeping Track's mission is to inspire community participation in the long-term stewardship of wildlife habitat.

We teach adults and children to observe, interpret, record, and monitor evidence of wildlife in their communities, and we support the use of monitoring data by citizens in local and regional conservation planning. Keeping Track's focus on wide-ranging mammals provides a vital indicator of the ecological health of the landscape as a whole.

PROGRAMS/SERVICES/MATERIALS

- **Youth Program:** Educating K-12 grade students about tracking, habitat monitoring, and wildlife ecology. We are available for full or half day workshops on or near school grounds. We also do classroom presentations. Teacher's Guide and Curriculum booklet available.
- **Keeping Track Community Wildlife Monitoring Program:** This program provides a means for town government officials and interested citizens to learn track count survey procedures, which enable them to develop a scientifically-based ongoing habitat monitoring program. This data is then available within the community for better informed land use planning and to other agencies for regional planning and habitat protection.
- **One- or multi-day workshops** on wildlife track and sign interpretation and habitat analysis, and slide lectures on related wildlife topics to public and private organizations.

To schedule workshops or slide shows, call: Bobbie Summers, Office Manager at (802) 434-7000; info@keepingtrack.org

Keewaydin Environmental Education Center

10 Keewaydin Road

Salisbury, VT 05769

TEL: (802) 352-1050

FAX: (802) 352-4772

WEB SITE: keec.keewaydin.org

CONTACT: Tim Tadlock, Director

tim@keewaydin.org

The Keewaydin Environmental Education Center is committed to providing a quality environmental experience for Vermont's children. Through an intense program with the natural world as a class-room, the student learns of the world's delicate balances and intricate interrelationships and of our ability to influence it all so easily. The academic rewards of learning through hands-on environmental investigation are matched by the experience of living away from home in a situation in which each person makes an important contribution to the success of the program.

PROGRAMS/SERVICES/MATERIALS

- **Spring and Fall Programs**, Lake Dunmore, Salisbury, VT: Five-day residential programs for school groups, grades 4-8. The program focuses on "community" with natural and local history emphasized along with human impacts on the global environment. The concept of community is carried out in all aspects of the students' week, from daily jobs to evening programs such as group-cooperation games, a Town Meeting and a final campfire.
- **Summer Keewaydin Camps**: Separate private summer camp for boys and girls 8-14. Wilderness canoe trips for people age 15 and over, including a canoe tripping camp in Canada for boys and girls.

Kinglet

P.O. Box 77
Ripton, VT 05766
(802) 388-4082
E-MAIL: kinglet@together.net
CONTACT: Barry King

PROGRAMS/SERVICES/MATERIALS

- **Programs and workshops** for students, teachers and groups on mammals, birds, tracking, winter ecology and other topics. Outdoors and indoors.
- **Nature I.D. Cards**: wallet-sized laminated cards that identify animal tracks, common trees by leaf or winter twig, ferns, seashells and aquatic macro-invertebrates.
- **Wildlife in Winter Advent or Count-down Calendars**: attractive, pen-and-ink sketch of winter scene. Numbered "doors" depict New England animals and their winter survival strategies.

Lake Champlain Basin Program

54 West Shore Road
Grand Isle, VT 05458
1-800-468-5227 or (802) 372-3213
WEB SITE: www.lcbp.org
Colleen Hickey or Nicole Ballinger: chickey@lcbp.org; nballinger@lcbp.org

The Lake Champlain Basin Program (LCBP) is partnering with agencies, local groups and scientists in New York, Quebec and Vermont on a cleanup plan to enhance the environmental integrity of Lake Champlain and its Basin. The region's cultural heritage, recreation opportunities and economy are also an important component of the plan, Opportunities for Action. LCBP grants support local action and the program is an international model for cooperative lake management.

PROGRAMS/SERVICES/MATERIALS

- **School Presentations**: LCBP will present lake issue slideshows and our watershed model at your school. Materials can be adapted to classroom needs. Educators may also borrow the watershed model.
- **"Casin' the Basin" Newsletter**: Covers Lake and Basin current events and implementing Lake Champlain's pollution prevention plan.
- **Lake Champlain Resource Room**: in ECHO at the Leahy Center for Lake Champlain (1 College St., Burlington). The room features exhibits, a Lake Library with videos, maps, books, research reports, CD-ROMS, and fact sheets; Basin Boxes for preschool to middle-school learning; and current information about programs and stewardship opportunities. Three computer stations with Internet access are also available for student research.

- **Educator Workshops:** The LCBP is a partner in CBEI, the Champlain Basin Education Initiative. Workshops help educators learn more about the Lake Champlain Basin and integrate this information into classrooms.
- **Lake Champlain Literature & Videos:** Fact sheets on Basin issues, maps, posters, research reports, annual reports, and newsletters. Champlain 2000 stories and special reports and other Lake-related videos.
- **Lake Champlain Basin Atlas CD-ROM:** Over 40 full-color maps and articles about the Basin! *CDs cost \$5. An online version is at www.lcbp.org.*

Marsh-Billings-Rockefeller National Historical Park • Conservation Study Institute

54 Elm Street
Woodstock, VT 05091
TEL: (802) 457-3368, x18
FAX: (802) 457-3405
WEB SITE: www.nps.gov/mabi
E-MAIL: tim_Maguire@nps.gov
CONTACT: Tim Maguire/Barbara Slaiby

Home to pioneer conservationist George Parkins March, the park includes a model farm and forest developed by Frederick Billings and continued by granddaughter Mary French Rockefeller and her husband, Laurance S. Rockefeller. In partnership with the Billings Farm & Museum the park focuses on conservation themes and the stewardship of working landscapes and agricultural countryside. The park is headquarters for the Conservation Study Institute designed to enhance leadership in the field of conservation.

PROGRAMS/SERVICES/MATERIALS

- **The Carriage barn visitor center** is open Memorial weekend through October 31. Tours of the forest, gardens, and grounds are offered daily at this time.
- **Winter programs** are offered periodically throughout the season.
- The park sponsors **professional development programs** for teachers and educators. *Visit our web site or call.*
- **The Conservation Study Institute** was established by the National Park Service (NPS) to enhance leadership in the field of conservation. In collaboration with the NPS and academic and nonprofit partners, the Institute provides a forum for the conservation community to discuss conservation history, contemporary issues and practice, and future directions for the field.

Merck Forest and Farmland Center

3270 Rte 315 • P.O. Box 86
Rupert, VT 05768

(802) 394-7836

WEB SITE: www.merckforest.org

E-MAIL: merck@vermontel.net

Merck Forest and Farmland Center strives to teach and demonstrate the benefits of innovative, sustainable land management on 3,100 acres of forest and farmland in the Taconic Mountains of Southwestern Vermont. Our forest management consists of an organic maple sugaring operation, protection of wildlife habitat, timber harvests, and recreational activities including 30 miles of maintained trails and six cabins. On our farm, we grow organic vegetables and raise several rare breeds of farm animals. Educational opportunities and weekend workshops complement our farm and forestry demonstrations.

PROGRAMS/SERVICES/MATERIALS

- **The Stewardship Field Program** uses hands-on work projects, role-play activities, and research projects to teach students about sustainable management of forest and farmland. We offer single day and overnight educational programs for groups of young adults, ages 14 to 20. Stewardship projects involve organic crop cultivation, livestock care, trail work, wildlife surveys for ecological monitoring, and crop tree management. These projects help students develop practical conservation skills, reinforce academics, and deepen ecological understanding while contributing valuable work to the ongoing land management at Merck Forest. The Stewardship Field Program strives to connect students to the land and to help them understand that there are environmentally sound ways of producing the food and products that sustain their lives, and ultimately that they are stewards of the land.
- **Resource Assistant Internships** provide people ages 18 and up with the opportunity to develop fundamental skills and knowledge in sustainable farming and forestry. During their fourmonth stay, interns become an integral part of the farm and forest as they perform responsibilities such as animal care, crop production, trail work, carpentry, firewood production, maple sugaring and assistance with educational programs.

National

Wildlife

Federation Northeast Natural Resource Center

58 State Street

Montpelier, VT 05602

TEL: (802) 229-0650 ext 316

FAX: (802) 229-4532

WEB SITE: www.nwf.org

CONTACT: Liz Soper, soper@nwf.org

The National Wildlife Federation (NWF) is the nation's largest conservation education organization. Its mission is to inspire Americans to protect wildlife for our children's future. The Northeast Natural Resource Center (NNRC) of NWF is one of 12 regional offices throughout the country. The NNRC works with individuals and organizations throughout the New England region to protect our forest, water, and wildlife resources through research, education, and advocacy.

PROGRAMS/SERVICES/MATERIALS

- **Schoolyard Habitats:** This program provides teacher training workshops and curriculum materials on working with schools to conserve, restore, and develop wildlife habitat on Schoolyard sites. The sites are then used for outdoor classrooms and on-site field trips.
- **Backyard Wildlife Habitat:** This program works with homeowners, businesses, and communities to enhance their landscapes for wildlife. NNRC provides workshops, support, resources, presentations, and certification materials towards the development of these sites.
- **Wolf Education Traveling Trunks:** These self-contained educational trunks include curricula and hands-on materials such as wolf pelts, skulls, games, books and videos. These trunks are lent to schools within Vermont for a 2-week period and are free, except for shipping.
- **A Forest for Every Classroom (FFEC):** FFEC is a year-long professional development series for educators aimed at providing the inspiration, knowledge and skills required to transform classroom teaching into effective place-based education. Teachers who participate develop their own curriculum that increases student achievement and fosters student understanding and appreciation for the forest lands in their communities. *More details at: <http://www.nps.gov/mabi/mabi/education/forest.htm>*

- **NWF's Web site:** Check out all kinds of great information and activities for you and your students at www.nwf.org.

The Nature Museum at Grafton

P.O. Box 38
Grafton, VT 05146
(802) 843-2111
WEB SITE: www.nature-museum.org
E-MAIL: staff@nature-museum.org
CONTACT: Margo Ghia, Education Coordinator/Director

The Nature Museum at Grafton opens the door to New England's natural world for all ages to explore, touch, and learn. Offering a wide variety of indoor and outdoor experiences, the museum's exhibits and both on-site and outreach programs serve schools, libraries, and area residents and visitors. Two floors of natural history dioramas and displays provide a glimpse into different habitats, wildlife, and seasons – from a beaver pond in spring with views above and below water to an autumn woodland where one can crawl underground or a mine tunnel filled with mineral pockets and touchable crystals. Outdoor resources include wildlife gardens and feeders, a picnic area, and nearby fields, streams, ponds, and 56-acre park with woodland walking trails.

PROGRAMS/SERVICES/MATERIALS

- **Museum Visits for Groups:** may include a guided tour of our exhibits, any of the presentations listed in our brochure or web site, field explorations, hikes on the nature trails, or a visit to our Second Nature shop.
- **Outreach Presentations:** can be indoors or out, for a classroom or larger group, on a topic listed in our brochure or on our web site. We can also design programs around your needs.
- **Contract Schools/Classrooms:** we work with teachers and schools to develop integrated curriculum that helps them meet district and state standards.
- **Preschool Programs:** provide hands-on learning experiences on a variety of topics. Programs are offered both at pre-schools and at the Museum. Museum based programs are offered throughout the year.
- **Summer Camps & Programs:** 7 weeks of Environmental Adventure Camps in co-sponsorship with Grafton Ponds Mountain Bike Center. The Museum also offers site-based environmental day programs/camps for youth.
- We offer in-school presentations, site-based environmental education, publications, and internships.
- **Teacher trainings :** In Service opportunities, Natural Science Summer Institute, year long teach training/modeling opportunities.

HOURS

Saturdays and Sundays, 10 AM - 4 PM and any other time by appointment.

Northeast Organic Farming Association of Vermont

Bridge Street, Box 697
Richmond, VT 05477
TEL: (802) 434-4122
FAX: (802) 434-4154
WEB SITE: www.nofavt.org
E-MAIL: info@nofavt.org
CONTACT: Abbie Nelson, Education Coordinator

NNOFA-VT is an organization of farmers, gardeners, and consumers working to promote an economically viable and ecologically sound Vermont food system.

PROGRAMS/SERVICES/MATERIALS

- Technical assistance for farmers, an apprentice placement program, consumer education, Vermont Farm Share Program (for low-income Vermonters).
- Agricultural education connecting farms and farmers with teachers, children, and communities through workshops, the School to Farm Directory, School to Farm Mentor Program and linking local foods with local schools through VTFEED.
- Extensive files and books are available for sale at the NOFA-VT office.
- Certification for VT Organic Farms.
- Social action and education related to organic sustainable farming.

Outreach for Earth Stewardship

1611 Harbor Road
Shelburne, VT 05482
(802) 324-4111
WEB SITE: www.ofes.org
E-MAIL: director@ofes.org
CONTACT: Eveleen Cecchini, Director

Outreach for Earth Stewardship (OFES) is a nonprofit wildlife education organization dedicated to fostering responsible earth stewardship by sharing and encouraging a sense of wonder in our earth's diversity and natural processes. Programs engage both the intellect and the heart. Programs are presented in an atmosphere of hope, joy and integrity. OFES naturalist-teachers are trained by an experienced, licensed classroom teacher. Most programs include a teacher supplementary package to aid in follow-up and curriculum integration.

PROGRAMS/SERVICES/MATERIALS

- **Tales to be Told:** A storytelling presentation that celebrates the mythology of raptors and clarifies the reality. Live hawk or owl included.
 - **Dressed to Kill:** A light-hearted, laughter-filled program about raptor adaptations. A live hawk or owl included.
 - **Raptor Review:** With study skins (scientific specimens) of birds, field guides and focus sheets, your students will enjoy hands-on exploration as they learn taxonomy, structure and field marks of different species of raptors. A live hawk or owl highlights the experience.
 - **The Skin I'm In:** An interactive program exploring animal coverings. Live bird included.
 - **Wild Defenses:** An interactive program exploring the many defense mechanisms of wild animals.
 - **Baby Birds:** A songful program helping you to know what to do when you find an "orphaned" baby bird.
 - **Short and Sweet:** A personal guided inquiry program for small audiences. Includes a live hawk or owl.
- Many other topics are available, including customized programs and field trips. OFES also offers teacher workshops on wildlife education.

Programs for Environmental Awareness and Cultural Exchange (PEACE®)

P.O. Box 1052 • Norwich, VT 05055
TEL/FAX: (802) 649-1815
WEBSITE: www.p-e-a-c-e.net
CONTACT: Michael Caduto,
michaelcaduto@p-e-a-c-e.net

PROGRAMS/SERVICES/MATERIALS

PEACE® offers educational programs, performances (story, song and dance), teacher workshops, residencies, college courses, public radio and television programs, publications, conference keynotes, consulting in curriculum and outdoor learning center development, writing

(books, articles, scripts), integrated land management planning and mapping, canoe trips and nature walks.

- Specializing in nature study, ecological education, cultural diversity, world cultures, Native American (esp. Western Abenaki) studies, storytelling, environmental issues and ethics, freshwater ecology, teacher training, and nature trail design and development.
- Serving kindergarten through graduate level, reaching over 15,000 people annually throughout North America and beyond.
- **International:** Consulting for UNESCO, Paris, France, as well as Scottish environmental organizations.

Frequent Canadian appearances.

- **Affiliations:** Performer and educator in the Vermont Council on the Humanities Speakers Bureau; Touring Artist with Vermont Arts Council; Artist in Residence with New Hampshire Council on the Arts.

• **Sample Programs:** Earth Tales from Around the World; The Rainbow Garden: Celebrating Diversity; Keepers of the Earth: Completing the Circles of Life; Native American Thanksgivings; Earth Gardens and the Seeds of Life; Keepers of the Night: Celtic Earth Ways; Moths and Monsters, Bats and Bones; Keepers of the Animals: Healing All Our Relations; Stories from the Rising Sun: Ways of the Abenaki; Nature in Native American Myths; Flying Turtles and Talking Bears; The Loon's Necklace; Minibeasts of the Stream; The Children Who Plant Trees; Native American Herbal Traditions; Tales from the Deep: Legends of the Living Waters; Ring Around Polaris (constellations); The Nature of Bogs; Teaching About Native Americans as a Non-Native.

Fee: \$200-\$300 + \$.30/mile round trip.

Discount available for block booking.

- **Books by Michael Caduto**, available at the address above:

- *A TIME BEFORE NEW HAMPSHIRE: The Story of a Land and Native People* (Univ. Press of New England, 2003);
 - *EARTH TALES FROM AROUND THE WORLD* (Fulcrum Pub., 1997);
 - *IN THE BEGINNING: The Story of Genesis and Earth Activities for Children* (Paulist Press, 2004)
 - *A CHILD OF GOD: Stories of Jesus and Stewardship Activities for Children* (Paulist Press, 2005)
 - *NATIVE AMERICAN GARDENING* (1996);
 - *THE CRIMSON ELF: Italian Tales of Wisdom* (1997);
 - *KEEPERS OF LIFE: Discovering Plants through Native American Stories and Earth Activities for Children* (with Joseph Bruchac, 1994);
 - *KEEPERS OF THE NIGHT: Native American Stories and Nocturnal Activities for Children* (1994);
 - *KEEPERS OF THE ANIMALS: Native American Stories and Wildlife Activities for Children* (1991);
 - *KEEPERS OF THE EARTH: Native American Stories and Environmental Activities for Children* (1988);
 - *REMAINS UNKNOWN: The Final Journey of a Human Spirit* (Images From the Past, 1999).
 - *A GUIDE ON ENVIRONMENTAL VALUES EDUCATION* (UNESCO, 1985);
 - *POND AND BROOK: A Guide to Nature in Freshwater Environments* (University Press of New England, 1990).
- Music by Michael Caduto: All One Earth: Songs for the Generations, All One Earth music book, Long River Waltzes.

Project WET & Healthy Water, Healthy People

Agency of Natural Resources
VT Dept. of Environmental Conservation
Water Quality Division
103 South Main Street, 10 North
Waterbury, VT 05671-0408
(802) 241-3789
WEB SITE: www.vtwaterquality.org
E-MAIL: amy.picotte@anr.state.vt.us
CONTACT: Amy Picotte, Project WET
Coordinator

Vermont Project WET, Water Education for Teachers, is a hands-on water education program for grades K-12, designed to facilitate and promote awareness, appreciation knowledge and stewardship of Vermont's water resources. The Healthy Water Healthy People program encourages deep investigation of water quality topics and issues through user-friendly materials.

PROGRAMS/SERVICES/MATERIALS

The Project WET Activity and Curriculum Guide is available only through workshops conducted by Vermont's Project WET coordinator and training facilitators. The cost per person for the workshop and Activity Guide is \$25. The Healthy Water Healthy People resources are available to purchase without a required training. There is an "Educator's Guide," which features water quality monitoring activities and a "Testing Kit Manual" which explains why and what to monitor in surface and drinking waters. *Call Amy for more information or check out the above web site.*

Rockhopper Outdoor Education

PO Box 613
Jacksonville, VT 05342
(802) 368-7203
www.rockhopperoutdoored.com
info@rockhopperoutdoored.com
CONTACT: Michael Clough

Rockhopper Outdoor Education offers fun and educational programs designed to engage our audiences' varied interests and learning styles while demonstrating the role we all play in a healthy, functioning world. Rockhopper Outdoor Education promotes experiential learning to encourage awareness of people's connection to the natural world and our responsible participation in the environment.

Our program list is designed to offer teachers and private groups a wide range of topics from which to choose. Programs range from live animal presentations using unwanted exotic pets and multi-media special focus presentations to in-depth field surveys of local flora and fauna. For a complete program list and more information, contact *Michael Clough*.

Save Our World - Vermont

P.O. Box 437 • Rochester, VT 05767
(802) 767-3273
CONTACT: Marion Leonard

Save Our World-Vermont is a tax exempt organization promoting Earth literacy by circulating Earth flags, Earth information, and the Earth Charter.

Shelburne Farms

1611 Harbor Road
Shelburne, VT 05482
TEL: (802) 985-8686
FAX: (802) 985-8123
WEB SITE: www.shelburnefarms.org
E-MAIL: lwellings@shelburnefarms.org
CONTACT: Linda Wellings, School Programs Director

Shelburne Farms is a 1,400-acre working farm, National Historic Landmark and nonprofit environmental education organization located in Vermont's Champlain Valley. The mission of Shelburne Farms is to cultivate a conservation ethic in students, educators and the general public by teaching and demonstrating the stewardship of natural and agricultural resources. At the heart of what we do is the practice of sustainable rural land use and the care and sharing of Shelburne Farms as an historic place of exceptional natural and architectural beauty. Our program goals are to increase awareness and appreciation of natural and agricultural resources and the working landscape, and to inspire active stewardship of the environment. Shelburne Farms conducts educational, agricultural and cultural programs in the belief that the quality of our living environment depends on the conservation of natural resources and a healthy agricultural base.

PROGRAMS/SERVICES/MATERIALS

- **Seasonal Field Trips for K-8:** From Farm to You, Fall Forest Discoveries, Stories in Stone, Farm Life and History, Active in Winter, Winter Trekking, Maple Sugaring, Join the Flock, Super Soil, Milk and More, Pond Life Cycles, Farmer for a Day, Wetland Exploration. *Available September-June on- or off-site.*
- **Outreach Programs to schools.** Hands-on teacher workshops in elementary and middle school science offered on site throughout the school year and summer. Recertification and graduate credit available.
- **Apprenticeships, College & High School internships.**
- **Walking Trail, Children's Farmyard, Welcome Center, slideshow presentation** and **guided tours** of the property mid-May to mid-October.
- **A Forest For Every Classroom:** partnership with National Wildlife Federation, Marsh-Billings-Rockefeller National Historic Park, the Conservation Study Institute, and Green Mountain National Forest, is offering a professional development workshop series to Vermont teachers designed to help them increase the use of public forests as teaching laboratories. *For more information:* <http://www.nps.gov/mabi/mabi/education/forest.htm>
- **The PLACE Program:** a collaboration with the University of Vermont to provide communities with an innovative, new model for place-based education utilizing an integrated series of workshops, fieldwork, lectures, and printed resources to help communities examine and interpret the landscape of a town and its transformation over time. *Visit www.uvm.edu/place*
- **VT FEED: Food Education Every Day,** through a partnership with Food Works, NOFA, and Shelburne Farms, VT FEED helps teachers and schools build connections between classrooms, the cafeteria, school gardens, local farms and the community. *Visit: www.nofavt.org/programs/vtfeed.php*
- **Sustainable Schools Project:** SSP is a school-wide model for using sustainability as an integrative concept for curriculum, campus improvements, community partnerships, and collaboration. *CONTACT: Jen Cirillo, Coordinator, jcirillo@shelburnefarms.org, or visit www.sustainableschoolsproject.org. For more on SSP and the evaluation of Place-Based Education Programs visit www.peecworks.org*
- **Project Seasons:** Seasonal Teaching Ideas, K-6. A guidebook with over 100 hands-on, interdisciplinary activities.

Smokey House Center

426 Danby Mtn. Road
Danby, VT 05739
(802) 293-5121
WEB SITE: www.smokeyhouse.org
E-MAIL: fieldstudies@vermontel.net
CONTACT: Joe Przypek

Smokey House Center is a unique 5,000-acre classroom, integrating academic learning with “hands-on” farm and forest management. Our work:

- Enables disadvantaged Vermont teenagers to learn the skills, habits and attitudes they will need to finish high school and become employed;
- Engages Vermont elementary and secondary school students in “real world” ecological research to enhance their grasp of science, math, communication, and environmental awareness;
- Demonstrates environmentally sound and economically productive farm and forest management, and advances professional ecological research;
- Furthers regional and national understanding of “hands-on” learning and sustainable natural resource management, and the links between the two.

PROGRAMS/SERVICES/MATERIALS

- **The Field Studies Program:** Middle and high school students spend two to four weeks of their school year at Smokey House Center involved in intensive field research of current environmental issues. The data gathered and analyzed by the students link to actual state and national scientific studies. Each research team consists of six students with one experienced adult, often guided by university professors and resource professionals. We custom-design this program for different grade levels and schools. Over 500 students have done field research here since 1994. These students, upon returning to their regular classroom, have demonstrated improvements in classroom performance, school attitude, and desire for learning.
- **The Land Reserve:** Our 5,000 acres are productive and diverse. The land comprises approximately 1,000 acres of farmland and 4,000 acres of woodland, and supports wetlands and wildlife habitat. The land includes 3,800-foot Dorset Mountain, one of New England's 100 highest

peaks and the fifth highest in southern Vermont. Beyond its outdoor classroom role in the youth work and field studies programs, the land is used by resource professionals to advance ecological research and to demonstrate sustainable land management techniques. Farmland is also leased out to farmers in the community. To formalize these opportunities, we have placed permanent conservation restrictions on the land.

• **The Youthwork Program:** High school students at risk of dropping out of school and being unemployable spend half their class day and four days a week in summer at Smokey House. They are referred by teachers, guidance counselors, social workers and friends. In teams of six, each team guided by one experienced adult, these young people grow Christmas trees and organic vegetables, harvest firewood, make charcoal and maple syrup, raise animals, and market these products to the community. They earn minimum wage and academic credit. They also learn problem-solving, teamwork, communication, and responsibility-skills that will enable them to become capable adults. More than 1,500 Vermont teenagers have participated in the youth-work program since 1974. A 1990 survey indicated that more than 80% of the teenagers had completed high school and over 25% had pursued higher education. Eighty seven percent were employed full-time.

Sterling College

P.O. Box 281

Craftsbury Common, VT 05827

TEL: (802) 586-7711 ext 150

FAX: (802) 586-2596

WEB SITE: www.sterlingcollege.edu

CONTACT: Gwyn Harris, Director of Admissions, gharris@sterlingcollege.edu

The Sterling College community combines structured academic study, experiential challenges and plain hard work to build responsible problem solvers who are stewards of the environment as they pursue productive lives.

Sterling College is a private, four-year college that specializes in environmental studies. The College offers the Bachelor of Arts degree in Conservation Ecology, Northern Studies, Outdoor Education and Leadership, Sustainable Agriculture. We also offer the Associate of Arts degree in Resource Management. Sterling College is accredited by the New England Association of Schools and Colleges and is a member of the Work College Consortium and the Association for Experiential Education. Our curriculum integrates research and discussion, field studies, culture and history, and the dynamics of human relations in a learning environment that combines traditional academics with experiential, hands-on learning. Overall students spend about 60% of their time in the traditional classroom setting and 40% learning in the field. Consideration for the environment is central to our liberal arts curriculum. We engage students in literature, math, history, sociology, economics, and more through the study of the environment. Students gain intellectual and physical competence, practical skills, and personal confidence in their ability to solve the kinds of problems we face in today's world. They also develop a keen theoretical and practical understanding of our complex environment – how to care for it, live sympathetically with it, and how to make a living in it. Students have just as many opportunities for learning off-campus as they do on-campus. Through our twenty-years strong Internship Program, we have placed over 600 students in 45 states and 18 foreign countries. Internships help students gain real experience in their field of study. Through Global Field Study Programs, students are immersed in different cultures and learn about social ecology and environmental sustainability as well as the culture and ecology of far northern places. Experiences in other countries help students develop a world perspective – a perspective that is important in our increasingly global economy. Unique experiences engage students in adventurous and challenging situations. Students and faculty learn by engaging each other-both formally through course activities and shared experiences and informally by living, learning, and working together. Community is vital at Sterling College and students play an important role in creating and sustaining our evolving community.

PROGRAMS/SERVICES/MATERIALS

- **Campus facilities:** 14 residential, administrative, and classroom buildings on 130 acres, including a woodshop, a darkroom, two computer rooms, two greenhouses, the Brown Library, a challenge course with a 30-foot climbing wall, an indoor bouldering wall, a managed woodlot, recreation and nature trails, an acre of organic gardens, and a diverse livestock farm with solar and wind powered barns. A local variety of wetlands, woods, and mountaintops provide an engaging learning environment. *To reserve space for a conference or meeting, please contact Jed Williamson, President, at (802) 586-7711 x101.*
- **The Brown Library** offers a collection uniquely focused on issues of sustainability in the environment, outdoors, agriculture, and the north and provides access to major academic electronic journal databases. Art gallery exhibits of mostly Vermont artists are scheduled every six weeks. *For more information on library services, contact Petra Vogel at (802) 586-7711 x129.*
- **The Sterling College Farm**, consisting of solar and wind powered barns, pasturelands, certified organic gardens, fruit trees, greenhouses, and diverse livestock, is a living laboratory for the exploration of sustainable agricultural systems. *For educational tours contact Mitch Hunt, Farm Manager, at (802) 586-7711 x151 or mbunt@sterlingcollege.edu*

• **The Sterling College Summer Farm Semester** immerses college students and adult learners in the daily rhythms and realities of farming. Focusing on sustainability, the farm semester is a program of work and study exploring holistic management of plants, animals, and land. Classroom instruction, hands-on training, and work on the farm are combined to teach sustainable practices and to foster discussion about agricultural issues. Our farm includes certified organic vegetable gardens, a small greenhouse, a movable tunnel greenhouse, a small orchard, solar and wind powered barns, and a variety of livestock including sheep for meat and fiber, goats, pigs, steers, poultry, and a draft horse. *CONTACT: Mitch Hunt, Farm Manager, at (802) 586-7711 x151 or mbunt@sterlingcollege.edu*

• **The Center for Northern Studies at Sterling College** offers study-away options to college students and provides opportunities for educators and other community members to learn more about Northern Studies through a local lecture series, access to a resource library that specializes in the North, and enrollment in courses and global field studies. The Center's educational philosophy integrates field research with educational programs addressing the ecosystems and people of Arctic and sub-arctic environments and the challenges of sustainable interaction in a global society. Extensive field study opportunities available. *For more information contact Sue Hering, Academic Intern, Northern Studies, at north@sterlingcollege.edu or 1-800-648-3591.*

• **Wildbranch Workshop in Outdoor, Natural History, and Environmental Writing.** A week-long residential writers workshop in June for professionals and non-professionals who want to improve and market their fiction, journalism, or personal essays that portray the natural world. *For more information contact David Brown, Director, at (802) 586-7711 x102 or wldbrnch@sterlingcollege.edu*

• **Global Field Studies,** Sterling College field studies provides opportunities for students to immerse themselves in diverse cultures and landscapes while reflecting upon global applications of the College's core curriculum. Students travel in groups supervised by faculty members skilled at structuring and supporting powerful learning experiences in foreign countries. Often, through the exposure to different possibilities during these trips, students return with newfound visions of the world and potentials for change. Global Field Studies programs have traveled to Belize, Lapland, the Scottish Isles, James Bay, Japan, Scandinavia, Labrador and Newfoundland in the past. The Mountain Cultures Semester is an intercultural experience exploring cultural differences in attitudes toward natural and human resources in other countries. Full-immersion through trekking, service work and home stays in local villages is a key component to this semester-long experience. Prior destinations include the Solu Khumbu region of Nepal, Sikkim, and Ladakh in India, and Sierra Madres in Mexico. *CONTACT: Erik Hansen, Coordinator of Global Field Studies, at (802) 586-7711 x128 or ehansen@sterlingcollege.edu*

• **Sterling Seminar Series:** The Sterling College Seminar Series is a seminar/workshop series that brings in speakers with expertise of interest to our students, faculty and members of the general public. *For the current schedule, contact Christina Erickson, Series Coordinator, at (802)586-7711 x150 or cerickson@sterlingcollege.edu or see our events page at <http://www.sterlingcollege.edu/cal/>.*

University of Vermont: Environmental Program & Rubenstein School of Environment and Natural Resources

153 South Prospect Street

Burlington, VT 05401

TEL: (802) 656-1071

FAX: (802) 656-8015

WEB SITES: www.uvm.edu/~envprog/ and www.uvm.edu/~envnr/

E-MAIL: Thomas.Hudspeth@uvm.edu

CONTACT: Tom Hudspeth

GRADUATE PROGRAMS

The Rubenstein School of Environment and Natural Resources offers Master's and Doctoral Program in Natural Resources. *See: www.uvm.edu/envnr/welcome/?Page=GRADACADEMIC.html.* In recent years, several graduate students have focused in their theses and dissertations on topics related to Environmental Education, Education for Sustainability, Place-Based Education, and related areas. In addition, the Gund Institute for Ecological Economics offers courses and graduate certificates in Ecological Economics and in Ecological Design. *See: <http://www.uvm.edu/giee/>.* Courses include:

- **ENVS 294: Environmental Education:** Philosophy, principles and concepts, and strategies of environmental education, with emphasis on integrating environmental concerns into formal and non-formal educational programs for youth and adults. *3 hrs. Offered every fall semester.*
- **RM 255: Environmental Interpretation:** Philosophy, principles and techniques of communicating about natural history, cultural heritage, and environmental issues to recreation visitors through the use of interpretive media. *4 hrs. Offered every fall semester.*
- Many other graduate-level courses related to Environmental Education offered as day, evening division, and

summer session courses in many departments throughout the University. See: <http://www.uvm.edu/~rgweb/>

FACILITIES/SITES for FIELD TRIPS

- **Bailey-Howe Library** holds the largest book collection in Vermont and acquires periodicals, scholarly journals, and indexing and abstracting services.
- **Fleming Museum:** 656-2090
- **Perkins Geology Museum:** 656-8694
- **Pringle Herbarium:** 656-3221
- **Greenhouse:** 656-0465
- **Horticulture Research Center,** *Green Mountain Drive, S. Burlington, 656-9166*
- **Animal Sciences Center/Farm,** *Spear Street, S. Burlington 862-2151*
- **Morgan Horse Farm,** *Weybridge, 388-2011*
- **UVM Research vessel *Melosira*:** 656-4057
- **Proctor Research Center,** *Underhill 899-4923*
- **Jericho Research Forest,** *Jericho, 656-2620 Green Forestry Education Initiative, Contact David.Brynn@uvm.edu*
- **UVM Natural Areas:** *Redstone Quarry & Centennial Woods, Burlington; East Woods, S. Burlington; Shelburne Pond, Shelburne; Colchester Bog, Colchester;*

Pease Mountain, Charlotte; summit of Mt. Mansfield, Stowe; Molly Bog, Stowe/Morrisville, Concord Woods, Concord. Self-guided trails at some sites. Contact Rick Paradis, 656-0177, <http://www.uvm.edu/~envprog/?Page=naturalareas/default.h>

- **Rubenstein Ecosystem Science Laboratory,** *Burlington waterfront, 859-3086.* UVM, in partnership with ECHO, has constructed the Rubenstein Ecosystem Science Laboratory as a place where interpretation and programming help the public understand the relevance and importance of science and research to their quality of life. Research conducted in the Rubenstein Lab focuses on the impacts of human activities on physical, chemical, and biological processes in the greater Lake Champlain basin ecosystem. The lab has a large teaching laboratory, equipped with modern analytical equipment and video microscopy. *To tour the Rubenstein Lab and talk with scientists about their work, contact Dr. Mary Watzin, Director (859-3086;). Mary.Watzin@uvm.edu.*

SERVICES

- **In-service teacher workshops** on Environmental Education, Education for Sustainability, and related topics (including Project Learning Tree, Project WILD, Project WILD-Aquatic, and ProjectWET). Develop self-guiding nature trails; conduct school site development projects; and perform environmental audits of school campuses.
- Both the Environmental Program and Rubenstein School of Environment and Natural Resources have many enthusiastic undergraduate and graduate students who seek internship and summer job experiences with Environmental Education providers in Vermont. *To advertise such offerings, contact Ibit Getchell, Environmental Program Student Services Coordinator, (802) 656-0176, igetchel@uvm.edu and Maria Vea-Fagnant, Rubenstein School of Environment and Natural Resources Placement Coordinator, (802) 656-3003, Marie.Vea-Fagnant@uvm.edu*
- The UVM Office of Community-University Partnerships and Service-Learning (CUPS) works to make connections between UVM faculty and community organizations to create meaningful partnerships. It keeps an ongoing database of potential community partners. 656-0095 See: <http://www.uvm.edu/partnerships>
- **The University of Vermont Water-shed Alliance (WSA)** is a hands-on environmental monitoring project for Vermont high schools. The WSA provides Vermont students with an opportunity to bring the classroom into the outdoors, where students interact and learn about their local environment. In the fall and spring of each year, students participating in the WSA become “citizen scientists” as they explore their watershed, collect data, analyze and interpret their results and determine feasible solutions to problems within the watershed. University of Vermont student interns work with teachers to facilitate the WSA program in the classroom and in the field. Equipment is included. *For more information, contact Caitrin Noel (802) 656-5428, caitrin.noel@uvm.edu; <http://www.edu/~watershed/>*

PUBLICATIONS

- **Bittersweet Notes** and **Bittersweet Vine** (on-line newsletters for Environmental Program). Available at www.uvm.edu/~envprog/?Page=news/default.html
- **RSENR News** (on-line newsletter for Rubenstein School). Available at www.uvm.edu/~envnr/?Page=news_events/envrnews/default.html

University of Vermont Extension

Burlington, VT 05401-3439
(802) 656-2990
WEB SITE: www.uvm.edu/extension/
E-MAIL: sarah.kleinman@uvm.edu
CONTACT: Sarah Kleinman

University of Vermont Extension provides youth and adult non formal education, such as workshops, consultation, publications, audiovisual aids and media efforts on a variety of natural resources topics. State and regional specialists are available in agriculture, forestry, water resources, land use and land planning, public policy development and other subject areas.

PROGRAMS/SERVICES/MATERIALS

• **UVM Extension 4-H/Youth Program** focuses on building lifelong learning skills for youth. Hands-on projects representing a variety of environmental and agricultural topics are available. *Contact your local UVM Extension.*

Valley Quest

104 Railroad Row
White River Junction, VT 05001
TEL: (802) 291-9100
FAX: 802-291-9107
WEB SITE: www.vitalcommunities.org
E-MAIL: vital.communities@valley.net
CONTACT: Steven Glazer

Valley Quest is an award-winning place-based education program that uses treasure hunts to celebrate community natural history, cultural sites, stories and special places. Teachers across the U.S. are incorporating Valley Quest into their classroom curriculum; parks and museums are using Questing as a compelling interpretive tools to education visitors; and communities are using Questing to engage citizens, partner schools and civic groups, map precious community assets, and build social capital. Valley Quest offers a range of services that can help you discover, share and preserve the special places in your community.

PROGRAMS/SERVICES/MATERIALS

- **Program Development** - Valley Quest consults with organizations to help them create programs that serve and revitalize their communities. We're helping create Quest program on Martha's Vineyard, in the Bay Area, and across the Northern Forest region.
- **Project Consulting**- Valley Quest has mentored teachers and groups in over 50 communities to help them make individual quests via an engaging, integrated learning process.
- **Quest Development** - Valley Quest has created Quests for historical societies, parks, conservation organizations, and museums.
- **Workshops/trainings** - Valley Quest workshops run from 1.5 hour introductory workshops to week-long, 3 credit Summer Institutes. We present at conferences, school in-service days and retreats. Participants leave with skills, tools, and enthusiasm that they can immediately apply.
- **Curriculum Development** - Valley Quest can help you develop curriculum and materials to serve your organization and community.
- **Guided Quests/Field Trips** - Valley Quest can lead your group on an exciting and educational half or full day adventure, exploring a special place in the Upper Valley region.
- **Stories in the Land** - These 60-90 minute story programs are geared towards children ages 5-12 years. Programs have been run through libraries, schools and community organizations; and can be tailored towards older students or adult groups as well.

PUBLICATIONS

• *VALLEY QUEST II: 75 MORE TREASURE HUNTS IN THE UPPER VALLEY (\$19.95)*. The 240-page volume contains Quests from 2001 to 2004, including Natural Community, Farm, Cemetery, and Village Quests examples.

• *QUESTING: A GUIDE TO CREATING COMMUNITY TREASURE HUNTS (\$24.95)*

This hard-cover, 254-page volume offers inspiration and practical advice for teachers, group leaders and others interested in learning about where they live and building community ties through Questing.

PROGRAM RATES

Presentations	\$200-\$750
Half-day program	\$300-\$750
Day-long program	\$500-\$1000
Project counseling	\$500-\$1500/day

Non-profit organizations receive a 20% discount on service fees. Beyond our local region, add transportation, housing and per diem cost as necessary.

Vermont Commons School

75 Green Mountain Drive
S. Burlington, VT 05403
(802) 865-8084 x16
WEB SITE: www.vermontcommons.org
E-MAIL: hmanske@vermontcommons.org
CONTACT: Hans Manske

Vermont Department of Fish and Wildlife

103 South Main Street
Waterbury, VT 05671-0501
(802) 241-3712
CONTACT: Mark E. Scott, Education
Program Manager, mark.scott@state.vt.us

PROGRAMS/SERVICES/MATERIALS

- **Green Mountain Conservation Camp:** Two camps at Lake Bomoseen in Castleton and Buck Lake in Woodbury, offer 9 one-week sessions in June, July and August for boys and girls ages 12-14. Curriculum includes fisheries and wildlife management, hunter/firearms training and responsibility, archery, forestry, outdoor safety, fishing techniques and wetlands investigation.
- **Wildlife Management for Educators:** One-week intensive course for teachers interested in Vermont's fisheries and wildlife management. Held at Buck Lake in Woodbury during July. Teachers learn first-hand from Agency of Natural Resources personnel. Three graduate or undergraduate credits available.
- **Project WILD:** An interdisciplinary, supplementary and environmental education program that incorporates wildlife concepts and educational skills into all major subject areas. Workshops for educators can be arranged in your school district. Designed for all teaching disciplines.
- **Aquatic WILD:** Similar to Project WILD but incorporates aquatic concepts into all major subject areas. Aquatic workshops can be arranged for previous Project WILD workshop participants.
- **Let's Go Fishing:** A hands-on curriculum on aquatic resources that encompasses fishing techniques, tackle craft, ecology and management. Teachers can receive materials free by attending an instructor training workshop.
- **Other educational materials:** wildlife films and slides, species fact sheets and education packets on whitetailed deer, wild turkey, land stewardship and threatened and endangered species.

Vermont Department of Forests, Parks, and Recreation

103 South Main St.
Waterbury, VT 05671-0601

(802) 241-3651

WEB SITE: www.vtfpr.org

E-MAIL: ginger.anderson@state.vt.us

CONTACT: Chief of Conservation Education

PROGRAMS/SERVICES/MATERIALS

- **Summer Naturalist Program:** Selected parks throughout Vermont have resident naturalists who lead programs, June through Labor Day, with fall programs for schools.
- **Project Learning Tree:** An interdisciplinary supplementary Pre-K - 12 curriculum series and teacher-training service focusing on forest resources. Variation in workshop themes and materials, depending on grade levels.
- **Wide variety of publications and web documents** useful to educators and educational programs dealing with current forest resource issues, state lands and forest health.

Vermont Earth Institute

P.O. Box 466

Norwich, VT 05055

TEL: (802) 333-3664

FAX: (802) 649-5711

WEB SITE: www.vtearthinstitute.org

E-MAIL: vei@valley.net

CONTACT: Barbara Duncan, Executive Director

Vermont Earth Institute (VEI) is a statewide, nonprofit organization that educates and supports Vermonters to reduce consumption and adopt environmentally sustainable practices in their homes, workplaces and communities. VEI's discussion courses and educational programs bring people together, raise their ecological awareness and facilitate profound change in their values, habits and actions in caring for the environment.

PROGRAMS/SERVICES/MATERIALS

- **Community discussion courses/ study circles** for high school students and adults on Voluntary Simplicity, Choices for Sustainable Living, Deep Ecology, Sense of Place, & Globalization.
- **Home and community "Eco- Parties"** on reducing household waste, toxics, and energy use.
- **Video lending library** on population and the environment and sustainable development
- **Population & Sustainability Resource Guide**, a 16-page guide to population and sustainability organizations, books, videos, and curricula.
- **Standards-based units** on people & natural resource use on VEI's web site
- Consumption, consumerism, and population resources available on the web and in print
- Seasonal newsletter for members
- Healthy Children in a Consumer Culture

The Vermont Education for Sustainability Project

1611 Harbor Road • Shelburne, VT 05482
TEL: (802) 985-8686
FAX: (802) 985-8123
WEB SITE: www.vtefs.org
CONTACT: Jennifer Cirillo
E-MAIL: jcirillo@shelburnefarms.org

The Vermont Education for Sustainability (EFS) Project helps teachers and non-formal educators integrate concepts, skills and issues of sustainability into their standards-based curriculum and programs. Project activities all aim to foster the growth of an EFS Network in Vermont and beyond, emphasizing partnership-building and collaboration.

Education for Sustainability brings together many educational topics, subjects, and approaches with the goal of helping students learn to create a more sustainable future for Vermont and for the planet. It focuses on bringing together economic, social and environmental knowledge, along with thinking about the future and community involvement, to help students learn to make decisions that will create a more sustainable future. In short, EFS promotes an understanding of the interconnectedness of the economy, environment and society. EFS links this knowledge with inquiry and action to help build a healthy future for students and their communities. Key skills include integrative thinking, systems analysis, future scenarios, and community partnerships.

The Vermont EFS Project, directed by Cultivating New Partnerships, a consortium which came together to promote EFS as a common goal of its members: the Vermont Departments of Agriculture, Education, and Public Service, the Agency of Natural Resources, SWEEP, the Agriculture in the Classroom Partners, University of Vermont and the Vermont Institute of Science, Math and Technology. CNP's efforts were instrumental in the inclusion of Vital Results on Sustainability (3.9) and Understanding Place (4.6) into the Vermont Framework of Standards and Learning Opportunities. 2005-2015 is the Decade for Education for Sustainable Development!

Vermont Envirothon

c/o Vermont Association of Conservation Districts

240 VT Route 110 • Orange, VT 05041
(802) 479-9538
CONTACT: Rita Bisson, biss256@aol.com

PROGRAMS/SERVICES/MATERIALS

The Vermont Envirothon is a statewide environmental education program that strives to provide high school students with the knowledge, skills, and willingness to participate in natural resource problem solving. This program is open to all high school students. The Envirothon provides teachers with educational materials in forestry, soils, wildlife, aquatics, and a current environmental issue. It offers students hands-on training with natural resource professionals and fosters critical thinking and problem solving skills. To participate in the Envirothon there has to be a team of five students and a team advisor. The team may represent a school, organization, or club. The program culminates in May with a daylong event where students test their knowledge at outdoor testing stations. Each team also comes prepared with a solution to an environmental problem and gives a fifteen minute oral presentation to a panel of judges. The team that demonstrates the greatest overall knowledge goes on to represent Vermont at the Canon National Envirothon. Nationwide, the Envirothon reaches 500,000 high school students across the U.S. and Canada. The Vermont Envirothon is made possible by a partnership between the Association of Conservation Districts, state and federal agencies, local businesses, and volunteers.

Vermont Institute of Natural Science

P. O. Box 1281
6565 Woodstock Road (Route 4)
Quechee, VT 05059
(802) 359-5000
WEB SITE: www.vinsweb.org
E-MAIL: education@vinsweb.org
CONTACT: Teresa Mitchell, Director of Education

VINS is a statewide nonprofit organization dedicated to protecting Vermont's natural heritage through environmental education, research, and wildlife rehabilitation. VINS educators help individuals and communities build and strengthen their connection to nature and expand

their understanding of ecological principles in order to inspire active care of the natural world, now and in the future.

VINS NATURE CENTER

6565 Woodstock Road (Route 4)
Quechee, VT 05059
(802) 359-5000

CONTACT: P.J. Skehan, Director of Operations

The VINS Nature Center sits on 47 acres of forest along the backwaters of the Ottaquechee River, and features many green design elements. In addition to a network of nature trails, open meadows, and educational exhibits, the site is home to more than 20 permanently disabled birds of prey. Visitors to the nature center enjoy daily educational programs featuring live raptors, center tours, guided trail hikes, summer and school holiday camps, field trips, adult programming, docent and volunteer training and special events.

SERVICES: Administrative headquarters, formal and informal education, conservation biology department, wildlife rehabilitation facility, Nature Center trails, enclosures, exhibits, and programs.

VINS-MANCHESTER

P. O. Box 46
Manchester, VT 05255
(802) 362-4374

CONTACT: Rick LaDue, Manager & Lead Educator

VINS in Manchester offers outstanding community programs through Outreach, school programs, home school programs, camps, and special outings and events that highlight the unique natural features of the region.

SERVICES: Educational programs, field-based workshops, summer and school holiday camps and student and community research projects are offered in partnership with the Equinox Preservation trust and other area groups. Programs feature the Battenkill River, Mount Equinox, Taconic Mountains, and other natural local features.

VINS IN COMMUNITIES

VINS' community programs provide educational opportunities to schools, towns, and organizations across the region. These programs focus on learning about local environments and the natural history of Vermont and adjacent regions. VINS offers a diverse array of programs and special trips to the general public, students, teachers, home schoolers and natural resource professionals. Programs instruct to educational standards, include field investigations, and promote sense of awareness and service learning opportunities. For more details of these programs, see descriptions that follow:

PROGRAMS/SERVICES/MATERIALS

VINS develops and delivers a broad variety of interdisciplinary educational programs in schools and local communities for preschool to adult audiences.

- **Small Wonders** is a nature awareness program designed for young children ages 3 to 5 and their adult caregivers. Yearlong concepts are: Animal Homes, Growth and Change, and Connections to Nature. CONTACT: *Betsy Bass Shands, School Program Manager, bshands@vinsweb.org*
- **ELF (Environmental Learning for the Future)** is a K-4 natural science program taught by community volunteers who are trained by VINS educators. Yearlong concepts are: Adaptations, Cycles, Habitats, Designs of Nature, and Earth and Sky. VINS' nationally renowned ELF curriculum guide, HANDS-ON NATURE is in its third printing. CONTACT: *Betsy Bass Shands, School Program Manager, bshands@vinsweb.org*
- **Environmental Citizenship (EC)** is a program for students in grades 5-12. Through in-depth studies of ecological systems, including fieldwork, students learn about making informed decisions that consider the needs of humans and wildlife. For the 2007-2008 school year, these topics include: Bobcats, Atlantic Salmon, trout, Migrating Songbirds, Vernal Pools, and Identifying and Responding to Local Ecological Problems. CONTACT: *Betsy Bass Shands, School Program Manager, bshands@vinsweb.org*
- **Citizen Science** is a program for teenagers and adults interested in collecting field data that is used by our VINS conservation biologists. From backyards to remote mountain summits, anyone can contribute to VINS research when they become a citizen scientist. Data from the projects are used to monitor wildlife populations and forge conservation efforts. Projects include Mountain Birdwatch, Vermont Loon recovery, and Peregrine Falcon Recovery. CONTACT: *Julie Hart, Conservation Biologist, jhart@vinsweb.org*
- **Outreach Programs** include animal investigations, stunning slides and an assortment of "touchable" artifacts to provide a springboard for activities and discussion. Live Animal Programs may include falcons, hawks, owls, vultures, snakes, salamanders, and turtles. Hands-On

Programs allow for up close explorations, slideshows, and touchable artifacts investigation animals native to Vermont. *CONTACT: Chris Collier, Informal Programs Manager, ccollier@vinsweb.org*

- **Summer and Vacation Camps** offer unique learning opportunities on various natural history topics to youth in grades preK through 12 during summer and school vacations. Camps held at the VINS Nature Center in Quechee, VINS in Manchester and at Storrs Pond Recreation Area in Hanover, NH. *CONTACT: David Rudin, Camp Program Manager, drudin@vinsweb.org*

- **AmeriCorps members** receive professional experiences in environmental education through a year-long internship. AmeriCorps members are an integral part of VINS' education staff, teaching in a variety of programs, working in wildlife rehabilitation and designing projects. *CONTACT: Teresa Mitchell, Director of Education, tmitchell@vinsweb.org*

- **HANDS-ON NATURE** is a natural science teaching guide for K-4 elementary students with background information and sequenced activities on 40 natural science topics. These activities serve as the core content for VINS' signature ELF program.

- **SMALL WONDERS** is a teaching guide for early childhood educators, daycare providers and parents with ideas and activities for exploring nature with very young children.

The Vermont Natural Resources Council

9 Bailey Avenue • Montpelier, VT 05602

TEL: (802)-223-2328 ext 12

FAX: (802) 223-0287

WEB SITE: www.vnrc.org

E-MAIL: jmiller@vnrc.org

CONTACT: Johanna Miller

The Vermont Natural Resources Council (VNRC) is a nonprofit, membership environmental organization established in 1963 to promote the wise use of Vermont's natural resources. VNRC conducts legislative lobbying, research, and education on a variety of issues including forestry, water, energy, growth management, sprawl, biodiversity and sustainability. VNRC is the Vermont affiliate of the National Wildlife Federation.

PROGRAMS/SERVICES/MATERIALS

- **Vermont Environmental Report & Legislative Bulletins:** published biannually, Vermont's only magazine solely dedicated to Vermont's environmental issues.

- Please visit our web site for additional listings of available reference materials.

Vermont Natural Resources Conservation Districts

c/o ENRCD

481 Summer Street Suite 202

St. Johnsbury, Vermont 05819

802-748-3885 ext. 114

WEB SITE: www.vacd.org

E-MAIL: tamara.colten@vt.nacdnet.net

CONTACT: Tamara Colten Stevens

The Vermont Natural Resources Conservation Districts work with local landowners and land managers to conserve land, water, forests, wildlife and related natural resources. Fourteen districts throughout the state share a single mission: to coordinate assistance from all available sources – public, private, local, state and federal – in an effort to develop locally driven solutions to natural resources concerns.

Conservation Districts help:

- implement farm conservation practices to keep soil in place and out of waterways by providing technical staff to work with landowners to put conservation practices on the ground;
- improve water quality by working with state and federal agencies, local landowners and watershed groups on basin planning issues and implementation of best management practices;
- conserve and restore wetlands;

- protect groundwater resources;
- plant trees and other land covers to hold soil in place, and provide wildlife habitat, especially along stream banks;
- help developers and homeowners manage land in an environmentally sensitive manner; and
- reach out to communities and schools to teach the value of natural resources and encourage conservation efforts.

PROGRAMS/SERVICES/MATERIALS

- **Educational outreach efforts to schools, camps and youth programs** include: Conservation Field Days, Ecosystem Exposition Day, Critter Watch biomonitoring, Vermont Soil Judging Competition, the Vermont Envirothon, Lamoille County Nature Center, Water Day, Arbor Day Festival, Watershed Festival, youth volunteer programs, water quality monitoring programs, school-to farm visits, GrowLabs and salmon egg hatching kits for schools and many others.
- **Adult educational workshops** cover such topics as invasive species, horse care and management, nutrient management for farms, farm management, pond construction and maintenance, forestry issues and conservation issues for real estate brokers, lawyers & appraisers. Technical assistance for nutrient management, accepted agricultural practices and farm environmental assessments (Farm*A*Syst) is also available. Each district offers a different set of educational opportunities. *Call to learn which programs are offered near you.*
- **County Soils Surveys** - Soils maps and descriptions for all soils in Vermont by county.
- **On-Farm Composting Handbook** - A manual for large-scale composting of manure, crop residues and other farm wastes.
- **Ponds: Planning, Construction, Management, Maintenance** - A manual for planning the proper siting and construction of small ponds. Information of pond ecology and maintenance, fish stocking, weed problems and management.
- **Soil Conservation Topics Education Kit** Curriculum enhancement material for K-6 providing activities and projects emphasizing four themes: Soil Resources, Water Resources, Ecological Resources and Soil & Water Conservation.

CONSERVATION DISTRICTS

Bennington County NRCD

Shelly Stiles, District Manager
 PO Box 505, 310 Main St.
 Bennington, VT 05201
 802-442-2275 FAX 802-447-1934
 e-mail bccd@sover.net

Caledonia County NRCD

Andrea Turner, District Manager
 1153 Main St., Ste 2
 St. Johnsbury, VT 05819
 802-748-3885 FAX 802-748-1621
 e-mail andrea.turner@vt.nacdnet.net

Essex County NRCD

Andrea Turner, District Manager
 1153 Main St., Ste 2
 St Johnsbury, VT 05819
 802-748-3885 FAX 802-748-1621
 e-mail andrea.turner@vt.nacdnet.net

Franklin County NRCD

Renaë Masse, District Manager
 27 Fisher Pond Road, Suite 1
 St. Albans, VT 05478
 802-524-6505 FAX 802-524-4575
 e-mail renae.masse@vt.nacdnet.net

Grand Isle NRCD

Sherri Potvin, District Clerk
 317 Old W. Shore Rd.

North Hero, VT 05474
802-864-0223 FAX 802-8640-165
e-mail giconrkd@aol.com

Lamoille County NRCD

Christina Goodwin, District Manager
109 Professional Dr., Ste 2
Morrisville, VT 05661
802-888-9218 FAX 802-888-8901
e-mail christina.goodwin@vt.nacdnet.net

Orleans County NRCD

Karen O'Donnell, District Clerk
59 Waterfront Plaza
Newport, VT 05860
802-334-8325 FAX 802-334-1365
e-mail karen.odonnell@vt.nacdnet.net

Ottawaquechee NRCD

Sally Mansur, District Manager
28 Farmvu Drive
White River Junction, VT 05001
802-295-7942 FAX 802-296-3654
e-mail sally.mansur@vt.nacdnet.net

Otter Creek NRCD

Pamela Stefanek, District Manager
68 Catamount Park, Ste. B
Middlebury, VT 05753
802-388-6746 FAX 802-388-3709
e-mail pam.stefanek@vt.nacdnet.net

Poultney-Mettowee NRCD

Marli Rupe, District Manager
PO Box 209
Poultney, VT 05764
802-287-5841 FAX 802-287-5841
e-mail pmnrkd@sover.net

Rutland NRCD

Nanci McGuire, District Manager
170 S. Main St, Suite 4
Rutland, VT 05701
802-775-7192 FAX 802-773-4177
e-mail nanci-mcguire@vt.nacdnet.net

White River NRCD

Abbey Willard, District Manager
617 Comstock Road, Suite 1
Berlin, VT 05602
802-828-4493 FAX 802-223-6163
e-mail abbey.willard@yahoo.com

Windham County NRCD

Jolene Hamilton, District Manager

28 Vernon St., Suite 2
Brattleboro, VT 05301
802-254-5323 FAX 802-254-3307
e-mail jolene.hamilton@vt.nacdnet.net

Winooski NRCD

Abbey Willard, District Manager
617 Comstock Road, Suite 1
Berlin, VT 05602
802-828-4493 FAX 802-223-6163
e-mail abbey.willard@yahoo.com

SWEEP Individual members

- Susan Clark
- Elizabeth Cooper
- Christina Erickson
- Gail Lawrence
- Jeanette Malone
- Bruce Parks
- Lisa Miller Purcell
- Teresa Mitchell
- Carrie Riker
- Kristen Sharpless
- Sarah Stein
- Jeffrey Williams