

Wolf Ridge

Environmental Learning Center

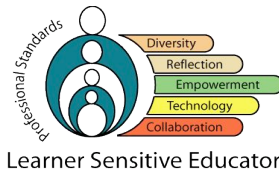
Environmental Education Curriculum Resource Guide

December 2007

In Partnership with the following Organizations:



Department of Education



Hawk Ridge Bird Observatory

This project was funded in part under the Coastal Zone Management Act, by NOAA's Office of Ocean and Coastal Resource Management, in cooperation with Minnesota's Lake Superior Coastal Program.

Minnesota's Lake Superior Coastal Program is a voluntary federal-state partnership dedicated to the comprehensive management of our coastal resources. The Program provides technical and financial resources for the local community, by bringing federal dollars into Minnesota for the Lake Superior coastal area.

The Coastal Program's goal is to preserve, protect, develop, and where possible, restore or enhance coastal resources along Minnesota's North Shore of Lake Superior. Our annual [Grant program](#) is an important funding source for local communities to help them balance protection of coastal resources with providing places for people to live, work, and play.



Environmental Education Curriculum Resource Guide

This Environmental Education Curriculum Resource Guide was compiled for use by educators in the Minnesota coastal zone. Representatives from each of the partner organizations provided input regarding quality environmental education curricular resources that are recommended and frequently used by their staff members.

This Curriculum Resource Guide is by no means intended to represent a comprehensive list of environmental education resources. However, it does serve as a listing of the curricular resources that several of environmental education organizations in Northeastern Minnesota use to guide their programs. It is intended to provide educators with a source of information on what is available and how to acquire these resources.

This guide was compiled by Wolf Ridge Environmental Learning Center. For further information regarding this resource, please contact:

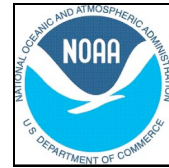
Wolf Ridge Environmental Learning Center
6282 Cranberry Road
Finland, MN 55603
Phone: (218)-353-7414
Email: mail@wolf-ridge.org.



Environmental Education Curriculum Resource Guide

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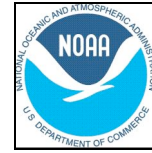
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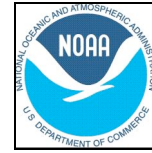
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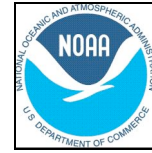
Environmental Education Curriculum Resources

Name	Animals Alive! An Ecological Guide to Animal Activities
Producer	Dennis Holley
Content Areas Addressed	Sponges, Cnidarians, Flatworms, Segmented Worms, Mollusks, Arthropods, Fish, Amphibians, Reptiles, Birds, Mammals, Classification
Cost and/or Other Requirements	\$24.95, purchased from Acorn Naturalists
How Acquired	Acorn Naturalists Phone: 1-800-422-8886 Web: www.acornnaturalists.org
Contact Information	Roberts Rinehart Publishers P.O. Box 666 Niwot, CO 80544
Format Description	Nearly 300 pages of detailed information on animal families. Guide and resource for conducting live animal activities that are non-invasive and observation oriented.
Graduation Standards Connections	Not included
Other comments	Activities are practical and inexpensive to conduct.



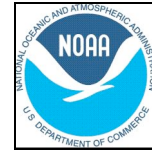
Environmental Education Curriculum Resources

Name	Aquatic Resources Education Curriculum
Producer	American Fishing Tackle Manufacturers Association Sportfishing Educational Foundation
Content Areas Addressed	Animals, Aquatic Sports Biological Sciences, Conservation, Environmental Education, Ichthyology, Marine Education, Outdoor Education, Recreation, Science and Society, Science Education, Secondary Education, Secondary School Science, Teaching Methods, Water Quality, Water Resources, Wildlife
Cost and/or Other Requirements	\$20.00 plus \$2.00 postage and handling
How Acquired	Minnesota Department of Natural Resources - MinnAqua Program
Contact Information	American Fishing Tackle Manufacturers Association Sportfishing Educational Foundation 1250 Grove Avenue, Suite 300 Barrington, IL, 60010 Phone: (312) 381-9490 Kendall Hunt Publishing Company P.O. Box 539 2460 Kerber Blvd. Dubuque, IA 52001
Format Description	Three-hole punched loose-leaf sheets
Graduation Standards Connections	Not included
Other comments	



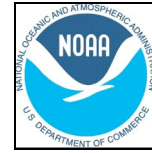
Environmental Education Curriculum Resources

Name	Creepy Crawlies and the Scientific Method
Producer	Sally Kneidel published by Fulcrum Resources, Golden, CO
Content Areas Addressed	Scientific method, animal care at home and in classroom, Pill Bug Science, Worms, Crickets, Millipedes, Fungus, Tadpoles, Metamorphosis, Pond Ecology, Ant Lions, Spiders, Mantises, Life Cycles, etc.
Cost and/or Other Requirements	\$15
How Acquired	
Contact Information	Fulcrum Publishing 16100 Table Mountain Parkway, Suite 300 Golden, CO 80403 Phone: 1-800-992-2908 Web: www.fulcrum-resources.com
Format Description	Large 200+ page book. Offers over 100 hands-on experiments highlighting use of the scientific method, easily accessible to children ages 5-12.
Graduation Standards Connections	Not included
Other comments	Great for classroom teachers. Experiments can be conducted over weeks, months, or even an entire school year, many different options. Lots of helpful hints in caring for and raising safe classroom critters.



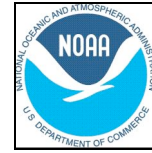
Environmental Education Curriculum Resources

Name	Lake Superior Streams: Community Partnerships for Understanding Water Quality and Stormwater Impacts at the Head of the Great Lakes
Producer	University of Minnesota Duluth
Content Areas Addressed	Human Impacts, Watersheds, Water Quality, Organisms, Water and Wastewater, Landscapes, Stormwater Management, Environmental Youth Leadership, Northshore Communities.
Cost and/or Other Requirements	No Cost
How Acquired	Online at http://www.lakesuperiorstreams.org
Contact Information	UMD-Natural Resources Research Institute-CWE 427 NRRI 5013 Miller Trunk Highway Duluth, MN 55811 Richard Axler – Project Lead, Water Quality Email: raxler@umn.edu
Format Description	Online water quality, stream ecology and other information primers, online information about stormwater and human impacts on water quality, tools to access and visualize real-time local stream quality data, <i>Building Environmental Youth Leadership</i> high school service-learning curriculum / Riverwatch / Stowe Elementary school water theme and other curriculum are available for .pdf file download.
Graduation Standards Connections	Minnesota Academic Standards: Science Grade 4.III.B Grade 7.IV.C Grade 8.III.A Grade 9-12.III.A
Other comments	



Environmental Education Curriculum Resources

Name	Eco-Inquiry
Producer	Kathleen Hogan
Content Areas Addressed	Ecological Processes, Food webs, Nutrient Cycling, Decomposition, Composting, Seed growth, Scientific method
Cost and/or Other Requirements	\$36.95
How Acquired	
Contact Information	Kendall-Hunt Publishing Company 4050 Westmark Drive Dubuque, IA 52002-1840 Phone: 1-800-228-0810 Web: www.kendallhunt.com
Format Description	Contains over 350 pages. Text is divided into 3 sections which address particular content areas. Each section gives students opportunities to conduct research, evaluate, etc. Text includes worksheets, extensions, game cards, and illustrations.
Graduation Standards Connections	Not included
Other comments	Relatively locally focused. Best for longer term situations where teacher has a few months to devote to the topics.



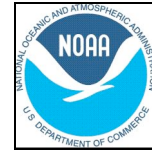
Environmental Education Curriculum Resources

Name	Gray Wolves Gray Matter
Producer	International Wolf Center
Content Areas Addressed	Social and Biological Issues of Wolf Survival & Wildlife Management
Cost and/or Other Requirements	24.95 or free as download from their web site
How Acquired	For purchase or download
Contact Information	International Wolf Center Educational Services 1396 Highway 169 Ely, MN 55731 Phone: 1-800-ELY-WOLF Web: www.wolf.org
Format Description	Lesson Plans for Activities
Graduation Standards Connections	Not included
Other comments	



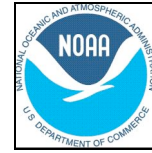
Environmental Education Curriculum Resources

Name	Great Lakes Instructional Materials for the Changing Earth System
Producer	Edited by Heidi Miller and Amy Schaefer
Content Areas Addressed	Global climate change, Effects of climate change on the Great Lakes Region, Bird populations, succession, agriculture, exotic species, recreational water use, shipping.
Cost and/or Other Requirements	\$3.00
How Acquired	Contact: Ohio Sea Grant Publications The Ohio State University 1314 Kinnear Rd. Columbus, OH 43212-1194
Contact Information	Phone: (614)-292-8949 Email: cruickshane.3@osu.edu Web: www.sg.ohio-st.edu
Format Description	31 exercises and supporting information on Great Lakes Global Climate Change. Students participate in role plays, mock trials, review maps and charts; and conduct lab experiments.
Graduation Standards Connections	Not included
Other comments	Listed for grades 5-12, has worksheets and handouts to copy, extensions, and references.



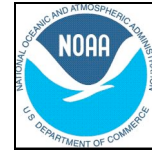
Environmental Education Curriculum Resources

Name	A Greenprint for Minnesota: State Plan for Environmental Education Second Edition, August 2000
Producers	Minnesota Office of Environmental Assistance Minnesota Pollution Control Agency Minnesota Environmental Education Advisory Board (EEAB)
Content Areas Addressed	Statewide Environmental Education Outcomes and Strategies Priority Audience Outcomes, Needs and Recommended Strategies EE History, Definitions, Partnership Opportunities, Local and National Program Information.
Cost and/or Other Requirements	No cost
How Acquired	Available as .pdf file at: http://www.seek.state.mn.us/eemn_d.cfm or Order a printed copy
Contact Information	Learning Resource Center Minnesota MPCA 520 Lafayette Rd N St. Paul, MN 55155-4194 Phone: (651)-215-0232 Toll Free: (800)-877-6300 (MN only) Email: clearinghouse@pca.state.mn.us
Format Description	Spiral bound 84 page document. It is not specifically focused upon formal classroom or school teacher needs, yet it includes them. It has outcomes and strategies for a great variety of user groups that in addition to PreK-12 students and teachers, also includes: Business communities, Families, Landowners, Religious Groups, Consumers, Citizen and Youth Groups, etc.
Graduation Standards Connections	None
Other comments	These are the EE outcomes as defined by the State of Minnesota for a comprehensive cross section of the state populations. A third edition was completed in the summer of 2007 and should be available in early 2008.



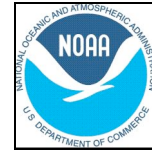
Environmental Education Curriculum Resources

Name	Hands-On Nature
Producer	Susan Sawyer, Author. Edited by Jenepher Lingelbach and Lisa Purcell
Content Areas Addressed	Adaptations, Habitats, Cycles, Designs of Nature, Earth and Sky
Cost and/or Other Requirements	\$24.95
How Acquired	Purchased from VINS. Also available on Amazon.com
Contact Information	Vermont Institute of Natural Science VINS / Quechee VINS Nature Center 656 Woodstock Road Rte. 4, PO Box 1281 Quechee, VT 05059 Phone: (802)-359-5000 Web: www.vinsweb.org
Format Description	Contains over 300 pages of activities, background info, puppet shows, games, indoor and outdoor activities.
Graduation Standards Connections	Not included
Other comments	Originally designed for K-6 level, many activities have been adapted for older and younger children.



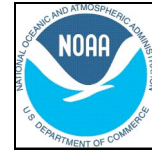
Environmental Education Curriculum Resources

Name	Keepers of the Animals
Producer	Michael J. Caduto and Joseph Bruchac (Fulcrum Inc)
Content Areas Addressed	Native American Stories and Wildlife Activities for Children
Cost and/or Other Requirements	\$19.95
How Acquired	Acorn Naturalists Phone: 1-800-422-8886 Web: www.acornnaturalists.com
Contact Information	Fulcrum Publishing 16100 Table Mountain Parkway, Suite 300 Golden, CO 80403 Phone: 1-800-992-2908 Web: www.fulcrum-resources.com
Format Description	Contains approximately 250 pages of traditional Native American stories, age appropriate activities.
Graduation Standards Connections	Not included
Other comments	



Environmental Education Curriculum Resources

Name	Keepers of the Earth
Producer	Michael J. Caduto and Joseph Bruchac (Fulcrum Inc)
Content Areas Addressed	Native American Stories and Environmental Activities for Children
Cost and/or Other Requirements	\$19.95
How Acquired	Acorn Naturalists Phone: 1-800-422-8886 Web: www.acornnaturalists.com
Contact Information	Fulcrum Publishing 16100 Table Mountain Parkway, Suite 300 Golden, CO 80403 Phone: 1-800-992-2908 Web: www.fulcrum-resources.com
Format Description	Contains approximately 200 pages of Native American stories and activities to go along with them.
Graduation Standards Connections	Not included, but does connect to social studies, science, environmental studies and other content areas
Other comments	Not specific on ages, but stories and activities are appropriate for grades K-12 students.

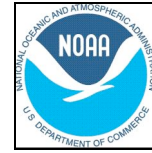


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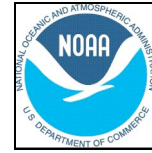
Name	Keepers of the Night
Producer	Michael J. Caduto and Joseph Bruchac (Fulcrum Inc)
Content Areas Addressed	Native American Stories and Nocturnal Activities for Children
Cost and/or Other Requirements	\$14.95
How Acquired	Acorn Naturalists Phone: 1-800-422-8886 Web: www.acornnaturalists.com
Contact Information	Fulcrum Publishing 16100 Table Mountain Parkway, Suite 300 Golden, CO 80403 Phone: 1-800-992-2908 Web: www.fulcrum-resources.com
Format Description	Contains approximately 200 pages that include nighttime observational activities and walks to teach sensory awareness. Stargazing and myths/legends serve to supplement these activities.
Graduation Standards Connections	Not included
Other comments	



Environmental Education Curriculum Resources

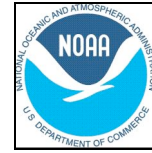


Name	Lake Effects
Producer	Lake Superior Center
Content Areas Addressed	Physical, Cultural and Living Aspects of Lake Superior
Cost and/or Other Requirements	\$10
How Acquired	Great Lakes Aquarium Gift Shop
Contact Information	Great Lakes Aquarium Education Department 353 Harbor Drive Duluth, MN 55802 Phone: (218)-740-3474 Email: education@glaquarium.org Web: www.gla.org
Format Description	Book with background information and activities; Also includes additional resources and information for teachers about taking field trips.
Graduation Standards Connections	Not included
Other comments	



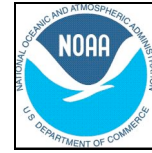
Environmental Education Curriculum Resources

Name	LEAF- Learning Experiences & Activities in Forestry
Producer	In partnership with Wisconsin Department of Natural Resources, University of Wisconsin - Stevens Point, and the Wisconsin Center for Environmental Education
Content Areas Addressed	Forestry
Cost and/or Other Requirements	Have to attend training with a materials fee of \$25
How Acquired	Must attend WI K-12 Forestry Education training program
Contact Information	LEAF Wisconsin Center for Environmental Education College of Natural Resources University of Wisconsin – Stevens Point Stevens Point, WI 54481 Phone: (715)-346-4956 Web: http://www.uwsp.edu/cnr/leaf/ Email: leaf@uswp.edu
Format Description	Lesson Guidebook, lots of activities, covers all aspects of forestry, for grades K-12
Graduation Standards Connections	Integrated to Wisconsin academic standards Not aligned with Minnesota academic standards
Other comments	



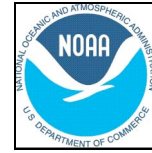
Environmental Education Curriculum Resources

Name	Leopold Education Project
Producer	Leopold Education Project
Content Areas Addressed	Conservation and environmental education based upon the writings of Aldo Leopold. Great integration of science with literature.
Cost and/or Other Requirements	\$5-\$25 each for several different resources available
How Acquired	Need to attend facilitator workshop or educator in-service workshop
Contact Information	Leopold Education Project 1783 Buerkle Circle St. Paul, MN 55110 Phone: 1-877-773-2070 Email: lep@pheasantsforever.org Web: www.lep.org
Format Description	Lesson Plans for each activity. All lessons linked to essays of Aldo Leopold. Science and literature combined. Sample available on the web site
Graduation Standards Connections	Not included
Other comments	Facilitation and training for this curriculum is managed by the Pheasants Forever Organization



Environmental Education Curriculum Resources

Name	Life in the Great Lakes
Producer	Ohio Sea Grant
Content Areas Addressed	Organisms in the Great Lakes, Ecological relationships, Estuaries
Cost and/or Other Requirements	\$8
How Acquired	Contact: Ohio Sea Grant Publications The Ohio State University 1314 Kinnear Rd. Columbus, OH 43212-1194
Contact Information	Phone: (614)-292-8949 Email: cruickshane.3@osu.edu Web: www.sg.ohio-st.edu
Format Description	Paperback book with activities, worksheets and background information
Graduation Standards Connections	Addressed, some connections to National Science Education Standards and science literacy benchmarks
Other comments	



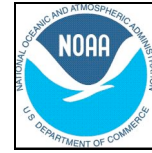
Environmental Education Curriculum Resources

Name	MinnAqua curriculum: Fishing! Get in the Habitat
Producer	MinnAqua Program, Minnesota Department of Natural Resources
Content Areas Addressed	Aquatic Habitats, Minnesota Fish, Water Stewardship, Fish Management, Fishing Equipment and Skills, Safety and the Fishing Trip
Cost and/or Other Requirements	\$20, but varies depending on facility costs and meals
How Acquired	Workshop attendance may be required.
Contact Information	Web: www.dnr.state.mn.us/minnaqua/index.html Contact: Nadine Meyer - NE Regional Coordinator Email: nadine.meyer@dnr.state.mn.us Phone: (218)-740-2063
Format Description	Brand new for 2007. Three-ring binder style with 39 lessons. Includes CD ROM of lessons as well. In addition to lessons, contains extensive supporting materials.
Graduation Standards Connections	Each activity is aligned with Minnesota Academic Standards. Also aligned with 4-H, Girl Scout and Cub Scout Programs.
Other comments	This is a Minnesota based lesson series that contains extensive background information to assist educators that wish to energize their students about Minnesota's vast and wonderful aquatic resources and recreational angling opportunities.



Environmental Education Curriculum Resources

Name	Minnesota Environmental Literacy Scope and Sequence. A systems approach to environmental education in Minnesota.
Producer	Minnesota Office of Environmental Assistance Minnesota Pollution Control Agency Minnesota Environmental Education Advisory Board (EEAB)
Content Areas Addressed	Environmental Literacy Benchmarks Key Systems Concepts and Supporting Concepts
Cost and/or Other Requirements	No Cost
How Acquired	Available as .pdf file at: http://www.seek.state.mn.us/eemn_c.cfm or Order a printed copy
Contact Information	Learning Resource Center Minnesota MPCA 520 Lafayette Rd N St. Paul, MN 55155-4194 Phone: (651)-215-0232 Toll Free: (800)-877-6300 (MN only) Email: clearinghouse@pca.state.mn.us
Format Description	Benchmarks listed by grade with Key Systems Concepts, Supporting Concepts and Systems Interactions. Applications for state and national standards, relationships between natural and social systems, Benchmarks with MN Graduation Standards, examples of how to apply the Scope and Sequence in classroom learning and sample lesson plans.
Graduation Standards Connections	Yes
Other comments	The Scope and Sequence is designed for both formal classroom teachers as well as non-formal setting educators, e.g. Naturalists, Youth Group Leaders. It is the formal setting guidebook for PreK-12 students that complements the MN Green Print Document.



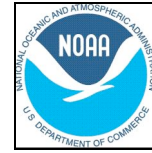
Environmental Education Curriculum Resources

Name	Monarch Magic!
Producer	Lynn M. Rosenblatt
Content Areas Addressed	Monarch Butterflies, Milkweed, Metamorphosis, Life Cycles, Mimicry, Crafts, How-To's.
Cost and/or Other Requirements	\$12.95
How Acquired	Acorn Naturalists Phone: 1-800-422-8886 Web: www.acornnaturalists.com
Contact Information	Williamson Publishing Company P.O. Box 185 Charlotte, Vermont 05445 Phone: 1-800-234-8791
Format Description	Smaller book, but has great pictures and easy to read text.
Graduation Standards Connections	Not included.
Other comments	A great supplement for teachers raising monarchs in their classrooms.



Environmental Education Curriculum Resources

Name	North American Association for Environmental Education: Excellence in Environmental Education: Guidelines for Learning (K-12).
Producer	North American Association for Environmental Education
Content Areas Addressed	Guidelines for 4th, 8th, and 12th Grades; all referenced to national standards in the Arts, Civics and Government, Economics, English Language Arts, Geography, History, Mathematics, Science, Science Benchmarks and Social Studies.
Cost and/or Other Requirements	No cost for pdfs from website. Printed copies may be ordered for a fee.
How Acquired	Downloadable or contact to order printed copy.
Contact Information	NAAEE Publications and Membership Office 410 Tarvin Road Rock Spring, GA 706-764-2926 Email: csmith409@aol.com Web: http://www.naaee.org/programs-and-initiatives/guidelines-for-excellence/materials-guidelines/learner-guidelines
Format Description	Organized into four strands: Questioning, Analysis and Interpretation Skills, Knowledge of Environmental Processes and Systems, Skills for Understanding and Addressing Environmental Issues, Personal and Civic Responsibility. Sample Indicators illustrating learner achievement are also included.
Graduation Standards Connections	Connections to national standards in all nearly all academic areas. The connections refer to particular pages in national standard documents that include standards, performance objectives, and examples related to the environmental education guideline.
Other comments	



Environmental Education Curriculum Resources

Name	Private Eye
Producer	Kerry Ruef
Content Areas Addressed	Science, Observation skills, Arts, Analogy-making, Thinking Skills, Creativity and Literacy.
Cost and/or Other Requirements	\$24.95 for the curricular resource, other curricular resources available for additional costs. Training workshops available for additional cost
How Acquired	Purchased
Contact Information	Private Eye Project 7710 31st Ave NW Seattle, WA 98117 Phone: (509) 365-3007 Web: www.the-private-eye.com
Format Description	8.5x11 book containing 230 pages.
Graduation Standards Connections	Not included.
Other comments	Use as curricular resource or include ideas to supplement existing your curriculum. Use as way to develop writing skills.



Environmental Education Curriculum Resources

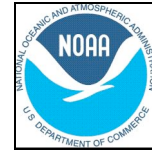


Name	Project Learning Tree
Producer	American Forest Foundation
Content Areas Addressed	Forest ecosystems, management, general ecology for preK-8 th .
Cost and/or Other Requirements	\$40 for training, typically one day workshop with resource book included
How Acquired	Must attend a training workshop. Cost includes training and curriculum guide.
Contact Information	Project Learning Tree, 500 Lafayette Road St. Paul, MN 55155-4044 MN State Coordinator - Laura Duffey Phone: (651) 259-5263 Fax: (651) 296-5954 Email: laura.duffey@dnr.state.mn.us Web: www.plt.org
Format Description	Large book containing 96 hands-on activities about trees and natural resources (land, air, water). Written in a lesson plan format. Integrates environmental lessons into the sciences, mathematics, art, social studies, language arts and music.
Graduation Standards Connections	National and Minnesota Academic Standards Full correlation available at: www.plt.org
Other comments	



Environmental Education Curriculum Resources

Name	Project WET
Producer	The Watercourse and Council for Environmental Education
Content Areas Addressed	Aquatic plants and animals, physical properties of water
Cost and/or Other Requirements	\$40 for training, typically one day workshop with resource book included
How Acquired	Must attend a training workshop. Cost includes training and curriculum guide.
Contact Information	Minnesota Department of Natural Resources 500 Lafayette Road St. Paul, MN 55155-4032 Project WET Coordinator – April Rust Phone: (651) 259-5706 of 1-888-646-6367 Email: april.rust@dnr.state.mn.us Web: www.projectwet.org & http://www.dnr.state.mn.us/projectwet/curriculum.html
Format Description	Collection of more than 90 interactive, hands-on water-related activities. Incorporates a variety of formats, such as large and small group learning, whole-body activities, laboratory investigations, discussion of local and global topics, and involvement in community service projects. Addresses chemical and physical properties, quantity and quality issues, aquatic wildlife, ecosystems, cultural issues and management strategies.
Graduation Standards Connections	Fully correlated to MN Grad Standards with an on-line Academic Standards Database at: http://www.dnr.state.mn.us/education/teachers/edstandards.html
Other comments	Training sessions sometimes include other “Project” curriculum (i.e. WILD, Learning Tree)

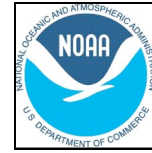


Environmental Education Curriculum Resources

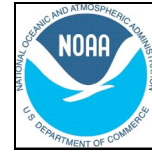
Name	Project Aquatic WILD
Producer	Project WILD, Council for Environmental Education
Content Areas Addressed	Awareness, values, ecological principles, management & conservation, people, culture & wildlife issues, and human actions; All in an aquatic context
Cost and/or Other Requirements	\$40 for training, typically one day workshop with resource book included
How Acquired	Must attend a training workshop. Cost includes training and curriculum/activity guide.
Contact Information	Carlos Avery Wildlife Management Area 18310 Zodiac Street NE Forest Lake, MN 55025 MN Project Wild Coordinator – Jan Welsh Phone: (651) 982-9720, ext. 225 Email: jan.welsh@dnr.state.mn.us Web: www.dnr.state.mn.us/projectwild
Format Description	Large book full of hands-on activities and games. Guide has cross referenced index of activities by grade level, subject area, skill, setting and topic.
Graduation Standards Connections	National and Minnesota Academic Standards Supplemental correlation to standards available at: www.projectwild.org
Other comments	Training sessions sometimes include other “Project” curriculum (i.e. WET, Learning Tree)



Environmental Education Curriculum Resources

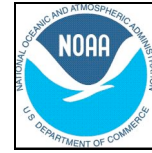


Name	Project WILD Minnesota
Producer	Project WILD, Minnesota Department of Natural Resources
Content Areas Addressed	Minnesota wildlife and ecosystems
Cost and/or Other Requirements	\$40 for training, typically one day workshop with Activity Guide included
How Acquired	Activity Guide is a supplement at a Project WILD workshop
Contact Information	Carlos Avery Wildlife Management Area 18310 Zodiac Street NE Forest Lake, MN 55025 MN Project Wild Coordinator – Jan Welsh Phone: (651) 982-9720, ext. 225 Email: jan.welsh@dnr.state.mn.us Web: www.dnr.state.mn.us/projectwild
Format Description	Spiral bound book with over one hundred hands-on activities and games written in a lesson plan format.
Graduation Standards Connections	National and Minnesota Academic Standards Supplemental correlation to standards available at: www.projectwild.org
Other comments	Training sessions sometimes include other “Project” curriculum (i.e. WET, Learning Tree)



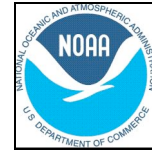
Environmental Education Curriculum Resources

Name	Stories from where we live: The Great Lakes
Producer	Milkweed Editions edited by Sara St. Antoine
Content Areas Addressed	Literary field guide to the Great Lakes region. Contributors include local poets and writers.
Cost and/or Other Requirements	\$10.95 for the book Free downloadable teacher's guide
How Acquired	Book available through major booksellers. Milkweed Editions: Web: www.milkweed.org
Contact Information	Teachers guide available at: http://www.milkweed.org/component/page,shop.product_details/flypage.shop.flypage/product_id,85/category_id,35/option.com_phpshop/Itemid,8/
Format Description	Paperback book and on-line teacher's guide.
Graduation Standards Connections	Not included.
Other comments	



Environmental Education Curriculum Resources

Name	Stream Keepers Field Guide
Producer	Adopt a Stream Foundation
Content Areas Addressed	Watersheds, Mapping, Scientific Method, Physical Characteristics of Streams, Macroinvertebrates, Water Quality
Cost and/or Other Requirements	\$29.95
How Acquired	Acorn Naturalists Phone: 1-800-422-8886 Web: www.acornnaturalists.com
Contact Information	See above
Format Description	Contains approximately 250 pages of easy to understand water quality info, worksheet, monitoring methods, cartoons, how-to's.
Graduation Standards Connections	Not included.
Other comments	

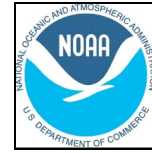


Environmental Education Curriculum Resources

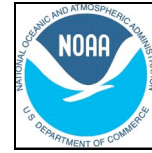
Name	Sustainable Food Systems Curriculum
Producer	Northland Food and Farming Initiative
Content Areas Addressed	Sustainable Agriculture, Basic Food Literacy, Awareness of food and farming issues
Cost and/or Other Requirements	Not available until Summer of 2008. There is a cost but it is unknown until it becomes available.
How Acquired	Obtained through email requests
Contact Information	Northland Food and Farming Institute Web: www.nffi.net To view curriculum: http://www.round-river.com/curriculumhome.html Phone: 218-353-7736 Email: abazs@lakenet.com
Format Description	Ten classroom kits written for farmers and gardeners to bring into their local schools or for use by a schoolteacher knowledgeable in the areas of farming and gardening.
Graduation Standards Connections	Not included.
Other comments	Written for the northland area. Other resources, including slideshows, are available for use as well.



Environmental Education Curriculum Resources



Name	The Best of Wonder Science
Producer	Delmar Publishers
Content Areas Addressed	Science processes, Science and Recreation, Science and Technologies, Water, Food Science, Materials Science, Physical changes, Chemical changes, Earth and Space Science, Energy, Motions and Forces, Sounds, Light
Cost and/or Other Requirements	\$68.95
How Acquired	Found at most retail book stores
Contact Information	Delmar Publishers Box 15015 3 Columbia Circle Albany, NY 12212 Web: http://www.delmar.com/delmar.html
Format Description	Large book with hands on science activities for elementary students. Colorful diagrams and step-by-step instructions.
Graduation Standards Connections	Addressed in introduction but not linked specifically to state or federal standards.
Other comments	



Environmental Education Curriculum Resources

Name	The Water Sourcebook
Producer	Legacy, Inc. Partners In Environmental Education in Cooperation with US EPA. Prepared by the Tennessee Valley Authority Environmental Education Section
Content Areas Addressed	Introduction to Water, Drinking Water and Wastewater Treatment, Surface Water, Groundwater, Wetlands/Coastal
Cost and/or Other Requirements	Available for download as .pdf files.
How Acquired	CD and Binder are available for purchase. .pdf files are available to download for free.
Contact Information	Water Environment Federation 601 Wythe St. Alexandria, VA 22314-1994 Phone: 1-800-666-0206 EPA web site for .pdf files: http://www.epa.gov/safewater/kids/wsb/
Format Description	On CD or three-ring binder style or PDF files on the web. Contains lots of activities (worksheets included) that cover all essentials of water chemistry, watersheds, water cycles, wetlands, acid rain, pollution, conservation. Lesson plan style, designed for classroom teachers.
Graduation Standards Connections	Correlated to National Science, Geography, and Social Science Standards.
Other comments	Specific versions of the curricula are created for grades K-2, 3-5, 6-8, 9-12.



Environmental Education Curriculum Resources

Name	Water on the Web: Advanced Technologies and Real-time Data in Basic and Water Science: A National Curriculum for Colleges and High Schools
Producer	University of Minnesota Duluth
Content Areas Addressed	Water science, impact of water quality on organisms, impacts of human management decisions on water quality and organisms, data collection/management/analysis/interpretation.
Cost and/or Other Requirements	Available online at http://waterontheweb.org/index.html
How Acquired	Lessons and supporting material are available online for download.
Contact Information	Bruce Munson Department of Education University of Minnesota Duluth 1211 Ordean Court Duluth, MN 55812 Phone: (218) 726.6324 Email: bmunson@d.umn.edu
Format Description	Online high school student/teacher lesson plans in traditional and inquiry-driven formats. Powerpoint and lab exercises for community college-level water science course.
Graduation Standards Connections	Resources provide teachers with lessons designed to address science as inquiry standards in upper elementary through high school. They also address MN Academic Standards for Science: Grade 4: III. B Grade 7: IV. C Grade 8: III. A Grades 9-12: III. A
Other comments	