

You Have an Outdoor Classroom ! How Can You Use It? –
Inquiry-Based Learning in the Schoolyard

Table of Contents

Outdoor Learning

"The Schoolyard Habitat Movement: What It Is and Why Children Need It." Mary Rivkin. *Early Childhood Education Journal*, Vol. 25, No. 1, 1997. p. 61-66.

Go Out and Play: Nature Adds Up for ADD Kids. Human-Environment Research Laboratory, University of Illinois.

Group Management Section: Leadership Skills. Central Wisconsin Environmental Station.

Five Finger Contract. Central Wisconsin Environmental Station.

Inquiry-Based Learning

"Of the Value of Saying 'I Don't Know.'" Ten-Minute Field Trips: A Teacher's Guide to Using the Schoolgrounds for Environmental Studies. Helen Ross Russell. *NSTA*, 2001, p. 7-9.

"Chapter 1. Planning a Schoolyard Inquiry Lesson." *Model Inquiries into Nature in The Schoolyard - The MINTS Book: An Inquiry Field Guide to the Natural History of Southwestern Virginia Schoolyards.* Frank Taylor, Alan Rafto, and Lynn Sharp. Virginia Tech Museum of Natural History, 1997, p. 1-11.

"Engaging Science" from NC Standard Course of Study, Science Curriculum – Program Strands.

Journaling

"Wild Ones on the Move: Keeping a Journal. Lynda Gibson Johnson.

Chapter 1: Nature Journaling. p. 2-7.

Illustrating a Personal Nature Journal. Jeannine Reese. 1999.

"Teaching Journaling to Groups of All Ages." *Learning and Teaching Nature Journaling.* p. 155-162.

"Journaling With School Groups." *Learning and Teaching Nature Journaling.* p. 163-171.

"Drawing on Student Understanding: Using Illustrations to Invoke Deeper Thinking About Animals." By Mary Stein, Shannan McNeil, and Jan Butcher. *Science and Children*, Vol. 38, No. 4, January 2001, p. 18-22.

How To Make Hard-Back Books.

George Shrinks See, Think, and Do Activity Guide: Visitors In My Garden, p. 9-11. PBS Kids.

Reading Rainbow : And Still the Turtle Watched. PBS Kids.

Backyard Jungle: Nature Journaling. PBS Kids.

In Search of Shakespeare: The Nature of Writing and the Writing of Nature. PBS Kids.

On and Around Your School Building

"Chapter 5: Roofs, Walls, and Eaves." Model Inquiries into Nature in The Schoolyard - The MINTS Book: An Inquiry Field Guide to the Natural History of Southwestern Virginia Schoolyards. Frank Taylor, Alan Rafto, and Lynn Sharp. Virginia Tech Museum of Natural History, 1997, p. 141-146, 160-161.

"Interdependence of Living Things - Microhabitats." Ten-Minute Field Trips: A Teacher's Guide to Using the Schoolgrounds for Environmental Studies. Helen Ross Russell. NSTA, 2001, p. 81-86.

North Carolina Wildlife Profiles: Golden Garden Spider. NC Wildlife Resources Commission.

Web Weavers. NC Museum of Natural Sciences.

"Insect Collecting." Junior Master Gardener Teacher/Leader Guide (Level 1), p. 87-88.

"Habitat Rummy." Project WILD K-12 Curriculum Guide. Council for Environmental Education, 2000, p. 14-18.

"Habitat Lap Sit." Project WILD K-12 Curriculum Guide. Council for Environmental Education, 2000, p. 61-63.

Adaptation Relay. Central Wisconsin Environmental Station.

Slurp. Central Wisconsin Environmental Station.

George Shrinks See, Thank, and Do Activity Guide: Spider Hunt, p. 15-16. PBS Kids.

George Shrinks See, Thank, and Do Activity Guide: Insect Safari, p. 12-14. PBS Kids.

Clifford Parents and Teachers Activities - Be Truthful: Creative Tracks. PBS Kids.

Arthur Parents and Teachers: Making Footprints. PBS Kids.

Maya and Miguel Parents and Teachers Activities: Bird Feeder. PBS Kids.

Eekworld - We're All In This Together. PBS Kids.

Dragon Tales Parents and Teachers Activities - Season One: Frog Prints. PBS Kids.

Ekoworld – Environment: We're All In This Together. PBS Kids.

Dragon Tales Parents and Teachers Activities – Season Three: A Snowman For All Seasons. PBS Kids.

Parking Lot

"Chapter 2: The Parking Lot." Model Inquiries into Nature in The Schoolyard - The MINTS Book: An Inquiry Field Guide to the Natural History of Southwestern Virginia Schoolyards. Frank Taylor, Alan Rafto, and Lynn Sharp. Virginia Tech Museum of Natural History, 1997, p.15-21.

"Interdependence of Living Things – Succession." Ten-Minute Field Trips: A Teacher's Guide to Using the Schoolgrounds for Environmental Studies. Helen Ross Russell. NSTA, 2001, p.92-95.

Lawn

"Chapter 3: The Lawn." Model Inquiries into Nature in The Schoolyard - The MINTS Book: An Inquiry Field Guide to the Natural History of Southwestern Virginia Schoolyards. Frank Taylor, Alan Rafto, and Lynn Sharp. Virginia Tech Museum of Natural History, 1997, p.23-31.

"Plants." Ten-Minute Field Trips: A Teacher's Guide to Using the Schoolgrounds for Environmental Studies. Helen Ross Russell. NSTA, 2001, p.30-39.

Seeds on the Move. Airdie Gardens.

Backyard Jungle – Plant Survey: Native and Exotic Plants. PBS Kids.

Trees

"Chapter 6: Trees." Model Inquiries into Nature in The Schoolyard - The MINTS Book: An Inquiry Field Guide to the Natural History of Southwestern Virginia Schoolyards. Frank Taylor, Alan Rafto, and Lynn Sharp. Virginia Tech Museum of Natural History, 1997, p.177-199.

"Trees." Ten-Minute Field Trips: A Teacher's Guide to Using the Schoolgrounds for Environmental Studies. Helen Ross Russell. NSTA, 2001, p.19-23.

Trees To Meet You. NC Museum of Natural Sciences.

Resources

Sound Learning 2005 Bibliography. Developed by Michelle Czajkowski, NC DENR Library, p.1-31.

"A Bird's Eye View." Environmental Resource Guide – Air Quality. Air and Waste Management Association, 1995, p.47-54.

"What's Up There Besides Air?" Environmental Resource Guide – Air Quality. Air and Waste Management Association, 1996, p. 71-76.

"Your Schoolground! Through New Eyes." Project Food, Land, and People. 1998, p. 193-202.

"Schoolground Caretakers." Project Food, Land, and People. 1998, p. 17-22.

Ekoword Parents and Teachers Section.

PBS TeacherSource – Science Lessons and Activities: Grades K-2 Earth Science.

PBS TeacherSource – Science Lessons and Activities: Grades 3-5 Ecology.

Using The Outdoors to Teach Experiential Science (UTOTES) information from the NC Museum of Natural Sciences.

Using Your Schoolgrounds as a Teaching Resource and Creating Schoolyard Habitats information from the NC Museum of Natural Sciences.

National Wildlife Federation's Schoolyard Habitats program information.

Acorn Naturalists information (general information, bug boxes, Private Eye loupes)

Dick Bick Art Materials information

Bare Book Journal information

NC Department of Environment and Natural Resources Divisions and Contacts