

# SOLID WASTE RESOURCES FOR SCHOOLS

## EDUCATIONAL ASSISTANCE FOR SOLID WASTE

### STATEWIDE

- Bryce Hulsey (405/702-5295, <bryce.hulsey@deq.state.ok.us>)/Susie Shields (405/702-5166, <susie.shields@deq.state.ok.us>), Oklahoma Department of Environmental Quality, Land Protection Division, P.O. Box 1677, Oklahoma City, OK 73101-1677. Implementation and promotion of school recycling programs, waste-free lunches, litter-free events, locker clean-outs, composting and worm composting information, environmental education and recycling grants, Use Less Stuff Campaign articles and curriculum, teacher environmental education newsletter, etc.
- Joanne Orr, Oklahoma Department of Transportation, 200 N.E. 21st, Oklahoma City, OK 73105-3204 (405/521-4037) - Adopt-A-Highway/Annual Trash-Off litter program, Annual Solid Waste Poster Contest.
- Gail Ederer, Keep Oklahoma Beautiful, 1309 Rockwood Drive, Edmond, OK 73013, (405/844-6543) gailbei@cox.net The Great American Clean-Up, annual conference and awards
- Oklahoma Cooperative Extension Service (call the office in your County) or Dr. Sarah Kimball, 405/744-6081, <kimball@okstate.edu>. Displays and fact sheets on illegal dumping, yard waste, rural issues, tribal information, and more. Check out this great web site: [www.rd.okstate.edu/waste](http://www.rd.okstate.edu/waste)



### REGIONAL

- Michael Patton, Metropolitan Environmental Trust (The M.e.t.), 201 W. 5th, Tulsa, OK 74103-4236 (918/584-0584), [themet@earthlink.net](mailto:themet@earthlink.net).
- Kay Frank, NE Solid Waste Institute, 111 W. Shawnee, Tahlequah, OK 74464 (918/456-0116), [swi@netsites.net](mailto:swi@netsites.net)
- Michael Hixon, Abitibi Consolidated, Recycling Division, (405) 232-7100, ext 101, or cell: (918) 830-2489. Works with schools in Tulsa and OKC metro areas and outlying communities on paper recycling collections.
- Larry Wright, Great Plains RC&D (580) 832-3661 or [Larry.Wright@ok.usda.gov](mailto:Larry.Wright@ok.usda.gov). Events and resources for southwestern Oklahoma teachers and recycling advocates.



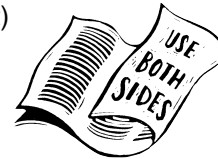
### LOCAL

- Oklahoma Environmental Management Authority (OEMA), P.O. Box 189, El Reno, OK 73036 (405) 262-0161. Assistance for Calumet, El Reno, Mustang, Okarche, Piedmont, Union City, Yukon. [OEMA@sbcglobal.net](mailto:OEMA@sbcglobal.net)
- Midland Recycling (educational recycling trailer for metro OKC area only), 1432 W. Main St., Okla. City, OK 73106, (405) 232-8811, [www.midamericarecycling.com](http://www.midamericarecycling.com)

## CLASSROOM MATERIALS



- **Carson Dellosa Publishing Company, Inc.:** [www.carsondellosa.com](http://www.carsondellosa.com)
- √ Recycling bulletin board set: four charts, including what's in a landfill, when we recycle (benefits of recycling), around and around (cycles of recycling), we can make a difference (tips for conservation and recycling)
- √ Charts with lines: trash can/hug your planet/globe and kids
- √ Recycling makes a world of difference poster
- √ Environmental chartlet value pack (ecology/conservation/hug your planet/recycle and fish)
- √ Hands-on recycling activities (3 separate books: P-K/1-2/3-4)
  
- **EPA Office of Solid Waste** (1-800-424-9396) Free materials available on EPA website: [www.epa.gov/osw/kids.htm](http://www.epa.gov/osw/kids.htm) Quest for Less—K-6 curriculum guide, and other materials available on-line.
  
- **An Ounce of Prevention.** Middle school science lessons on source reduction, a joint effort of Dow Chemical and National Science Teachers Association. Download free: <[www.plasticsindustry.org/outreach/school/ounceofprevention.pdf](http://www.plasticsindustry.org/outreach/school/ounceofprevention.pdf)>
  
- **"Municipal Solid Waste."** Project Learning Tree Secondary Environmental Education Program (American Forest Foundation, 111 19th St., NW, Suite 780, Washington, DC 20036, 202/463-2462, <<http://www.plt.org>>) Curriculum guide for grades 9-12 with activities concerning source reduction, recycling, landfills, waste-to-energy, composting, etc. Available in Oklahoma with 3-hours PLT workshop. Contact: Christina Stallings, Dept. of Agriculture—Forestry Services (405/522-6158) [cstallin@oda.state.ok.us](mailto:cstallin@oda.state.ok.us)
  
- **Oklahoma Department of Environmental Quality**, FREE MATERIALS on website: [www.deq.state.ok.us](http://www.deq.state.ok.us) or (405) 702-5166, <[susie.shields@deq.state.ok.us](mailto:susie.shields@deq.state.ok.us)>
- √ School Guide for Waste Reduction, Recycling and Litter Prevention (packet)
- √ How to Make a Locker Cleanout An Environmental Event (brochure)
- √ Make Every Day A Waste Free Lunch Day (brochure)
- √ Worm Composting (brochure)
- √ Litter Activities for the Classroom (packet)
- √ Safe Alternatives to Household Hazardous Waste (recipes)
- √ Use Less Stuff Campaign (3"x3" decals/11"x17" posters/buttons—all blue letters on yellow background) Press releases, newsletter, secret lives of your stuff articles, and more to encourage recycling and using less stuff
- √ Reduce—Reuse—Recycle decals (3"x3" green & white)
- √ You Dump It You Drink It bumper stickers (3"x6" blue & brown)
- √ America Recycles Day posters (11"x17"— design on one side and recycling factoids on the other)
- √ America Recycles Day posters (large—photos of college students with recycling written on their foreheads)
- √ Ecological Footprint teaching packets with footprint calculator
- √ Green School Audit Guide
- √ EnvironMentor newsletter (Teacher information on events, resources, grants, EE calendar, etc.)
- √ Calendars and posters printed with the statewide Trash Poster Contest winning designs.
  
- ***"The Rotten Truth"***, a video tour through the Museum of Modern Garbage. Includes the world's largest landfill, a recycling plant, and a visit to a garbage museum. A 3-2-1 Contact Extra, 30 minutes, best for grades 2-8. Cost \$19.95 + 5% shipping. Order Item #70888 from Educational Resources (1-800-624-2926)
  
- **Steel Recycling Institute**, (412) 922-2772, Website: [www.recycle-steel.org/education.html](http://www.recycle-steel.org/education.html)
- √ Nature's for Me kit (PreK-2, \$12). *Decorative box, teacher's guide, refrigerator magnet, activity sheet*
- √ ROSCOE Says "Let's Recycle Together" (ages 4-7 \$12.50) .*Finger puppet, 4 teaching posters on recycling/litter*
- √ Earth Cycles (grades 3-5 and 8-12, \$7). *30-page guide to copy for students and teachers*
- √ ROSCOE's Totally Cycled World CD (grades 5-8, \$34) *Teaches middle school students about solid waste*
- √ Cycles for Science (grades 9-12, set-\$48): Biology, Chemistry, General/Earth Science, Physics, Community Volunteer Projects. All \$12.75 each when sold separately except CVP, which is \$8)



## BOOKS

- **Beautiful Junk** (Karen Brackett & Rosie Manley/\$8.95) Creative classroom uses for recyclable materials
- **Choose to Reuse** by Nikki and David Goldbeck (Ceres Press, P.O. Box 87, Dept. CTR, Woodstock, NY 12498, \$15.95) An encyclopedia of services, products, programs and charitable organizations that foster reuse.
- **Earthworks Press**, Environmental Publishers 91400 Shattuck Ave. #25, Berkeley, CA 94709/512-841-5866) Discount rates for large quantities
- ✓ **50 Simple Things Kids Can Do to Recycle** (\$6.95)
- ✓ **50 Simple Things You Can Do to Save the Earth** (\$4.95)
- ✓ **The Next Step: 50 More things You Can Do to Save the Earth** (\$4.95)
- ✓ **Vote for the Earth**, from the League of Conservation Voters (\$4.95)
- ✓ **Kid Heroes of the Environment** (\$4.95)
- ✓ **The Recycler's Handbook** (\$4.95)
- ✓ **The Student Environmental Action Guide** (\$4.95)
- **The Great Recycling Adventure**, A Lift-a-flap Look at Old Things Made New by Jan McHarry (\$12.95) Shows the re-manufacturing process—turning recycled commodities into new products.
- **The Green Consumer** by John Elkington, Julia Hailes, and Joel Makeover (Viking Penguin, 40 West 23rd St., NY, NY 10010/\$8.95) Brand-specific handbook of environmentally responsible shopping choices.
- **Home Ecology** by Karen Christenson (Fulcrum Publishing, 350 Indiana St., Golden, Colorado/\$15.95) A complete overview of what you can do at home to help the environment. It's filled with practical tips that come only from actually applying environmental awareness in one's daily life.
- **Our Ecological Footprint, Reducing Human Impact on the Earth** by Mathis Wackernagel & William Rees (New Society Publishers, Copyright 1996/\$14.95) Cuts through the talk about sustainability and introduces a revolutionary new way to determine humanity's impact on the Earth. Converts seemingly complex concepts of carrying capacity, sustainability, resource use, waste disposal, and more into a graphic form everyone can grasp and utilize.
- **The Paper Bag Prince** by Colin Thompson (\$15.00) Best for grades 2-4. An inspiring tale of one man's decision to clean up the land. When the town dump closes, he moves in and rejuvenates it. Great watercolors.
- **The Great Recycling Adventure** by Jan McHenry. A lift-a-flap look at things made new —looking at details of recycling processes (Turner Publishing, Inc., Copyright 1994/\$12.95)
- **STUFF, The Secret Lives of Everyday Things** by John C. Ryan and Alan Thein Durning.  
**Seven Wonders--Everyday Things for A Healthier Planet** by John C. Ryan (sometimes known as the Dalai Llama vs. Baywatch) Northwest Environment Watch, 1402 Third Avenue, Suite 1127, Seattle, WA 98101-2118/ \$9.95) 206-447-1880, e-mail: <nwwatch@igc.apc.org>, website: <<http://www.speakeasy.org/new>>
- **Tons of Trash, Why You Should Recycle and What Happens When You Do** by Joan Rattner Heilman. Available at special quantity discounts for bulk purchases. (Avon Books, Director of Special Markets, Dept. FP, 1350 Avenue of the Americas, New York, new York, 10019, 1-800-238-0658.
- **Trash Attack!** by Candace Savage (Contact: Douglas G. MacIntyre, Ltd., 585 Bloor Street West, Toronto, Canada M6G1K5/\$12.95) Part of the "Earth Care Books" series. Ages 9-12.
- **USE LESS STUFF, Environmental Solutions for Who We Really Are** by Robert Lillienfeld and William Rathje-- Editors of the (former) Use Less Stuff Report. Order book from publisher: <[www.randomhouse.com](http://www.randomhouse.com)>.



## SCHOOL COMPOSTING AND WORM COMPOSTING RESOURCES

- **Scraps to Soil: A How to Guide for School Composting** (Developed by Ivy Zeller, School Education Coordinator, Montpelier, VT) Provides information on the natural science of the compost process, as well as step-by-step instructions for implementing a program at your school. The guide provides teachers with classroom activities, resource information, and the script to *Chef Suzette's Feedbag Restaurant*, an original compost assembly program. Copies are available from <susie.shields@deq.state.ok.us>.
  - **Stan Slaughter, Eco-Troubador**, Tel: 1-888-484-4477. Web Site: <http://www.stanslaughter.com>> Award winning teacher and seasoned performer, Stan has traveled throughout the country since 1987 performing a repertoire of original and old favorite Earth Songs at schools, museums, libraries and festivals. He is a proven crowd pleaser with both children and adults.
    - √ Rot "N Roll—The Greatest Hits of Recycling and Composting (tape and songbook, \$20)
    - √ Unintended Consequences (CD with songs, \$15 about household pollutants/water protection)
    - √ Compost Gin card game (\$12)
    - √ Instructional Compost Cycle Poster (\$4.00)
    - √ The Composters Learning Guide (\$6.00)
    - √ The Composters Color Workbook (\$4.00)
- 
- <[www.WormWoman.com](http://www.WormWoman.com)> **Resources from Mary Appelhof, the worm woman**
    - √ **"Worm Acres" Composting Kit** for kids (\$34.95); school kit (\$84.95) With or without worms
    - √ **"Worm in the Apple" puppet** (\$4.95)
    - √ **Wormania!** video and teaching guide\* (**Worms Eat Our Garbage**) for ages 8up (\$34.95)
    - √ **Worm Bin Creatures Alive Through a Microscope (VHS)**  
Video zeroes in on the tiny organisms often seen but rarely identified in a worm bin. Under Warren's microscope, well-lit colorful, and in focus, busy little creatures such as springtails and mites amuse and entertain as they busily go about in search of food or shelter. Level: Middle-school through adult Price: VHS\$25.00/ PAL \$50.00
    - √ **Worms Eat My Garbage.** All about worm composting for the individual. (\$7.95)
    - √ **\*Worms Eat Our Garbage.** Classroom activities for worm composting. Over 150 activities in science, mathematics, language arts, and creativity. Includes scientific methods, observing, recording data, and more. Grades 4-8. (\$20.95)
    - √ **Worm Away** classroom worm bins, \$69 or \$80
    - √ **The Worm Cafe: Mid-scale Vermicomposting of Lunchroom Wastes**  
This manual describes how a teacher and her students developed a system to compost lunchroom waste with worms and save their school \$6000 per year. How they performed a waste audit, garnered support from school personnel. Discusses bins, bedding, maintenance, harvesting and using castings in the school garden. Contains earthworm diagrams, bulletin board materials, quizzes, letter to parents, charts, and dozens of resources. Price: \$29.95
  - **Can O' Worms.** A Poppeteers hand puppet by Manhattan Toy, Price: \$12.00
  - **"Worm Digest"** (Contact: Edible City Resource Center, P.O. Box 544, Eugene, OR 97440-9998) Worms deepening our connection to food and soil. Great for classroom teachers! Subscription: Individual = \$12.00/10 or more = \$3.50 ea./Back issues = \$3.50 ea.
  - **"Worm Composting"** ( a "how to" brochure). Department of Environmental Quality, Waste Management Division, Okla. City, OK , Susie Shields, (405) 702-5166, <susie.shields@deqmail.state.ok.us>.
  - **Worm Suppliers** (Oklahoma):
    - √ **Yukon: Jerald Ashby**, [jashby@wormsolutionsok.com](mailto:jashby@wormsolutionsok.com), 405-417-4989 (home), [www.wormsolutionsok.com](http://www.wormsolutionsok.com) (Cost: \$20/lb. but he usually cuts schools a deal, \$12 or \$15 if they only want one pound. Less if they want more.)
    - √ **Norman: John Herndon**, [JSBMH2@aol.com](mailto:JSBMH2@aol.com), 405.329.4006 (Cost: \$20/lb, but cuts a deal for schools @ \$12-15/lb if he is working with them. Also consults with schools on setting up a composting area.)
-