

Recycling: it's for their future.

A Teacher's Guide to recycling in the classroom plus free activities available from the Baton Rouge Recycling Office



**This teacher resource guide is sponsored by
City of Baton Rouge, Parish of East Baton Rouge,
East Baton Rouge Parish Recycling Office and Recycling Foundation of Baton Rouge**

Now you can recycle at home with the new recycling cart

Call 225.389-5194 and the BR Recycling Office will deliver a cart to you

What goes inside the recycling cart

You do not bag recyclables. Place them loose in the cart.
You do not need to separate items.

CARTONS

juice, milk and cream boxes and cartons (rinse), cereal and cracker boxes (remove liners)

NO waxy frozen food packaging, take-out food containers, pizza boxes

GLASS

clear, brown and green beverage bottles and food jars (empty and rinse)

NO light bulbs, mirrors, window glass, drinking glasses, ceramics, Pyrex

METAL

aluminum, tin and metal alloy beverage, food and pet food cans, metal lids (empty and rinse)

NO aerosol cans, wire hangers, aluminum foil, pie pans, non-food metal containers

PAPER

junk mail, coupons, white or colored paper, gift wrap, envelopes, paper grocery bags, shopping bags (remove handles), catalogs, magazines, newspapers and inserts (remove rubber bands and plastic bags, do not tie up newspapers), paperback books, telephone books, shredded paper

NO food soiled paper, photos, hard cover books, carbon paper, newspaper delivery bags or rubber bands

CARDBOARD

corrugated and paperboard boxes, 6, 12 and 24-pack drink cartons (flattened), paper egg cartons, shoe boxes

NO pizza boxes, plastic or foam packing material, waxed cardboard or boxes with plastic or foil linings



PLASTIC

plastic with #1 through #7 inside the triangular shaped recycling symbol, beverage bottles, food containers (rinse), detergent bottles, shampoo bottles, prescription bottles, baby wipe containers, household cleaner and bleach bottles (empty and rinse), flower pots, buckets (5-gallon or less, remove metal handles)

NO plastic bags, hangers, toys, 6-pack rings, chemical containers, packing materials, plastic wrap

NO plastic bags, household garbage, yard trimmings or woody waste, building materials, automobile/trailer or bike tires, household or hazardous waste (electronics, batteries, paint, chemicals, oil or oil filters), soiled papers (diapers, tissues, paper towels, paper plates, napkins, pizza boxes)

Do Your Part.
Use the Cart!

Rosie the Recycler

Reprints of this page are available. Call the BR Recycling Office at 225.389.5194










Section 1 Environmental Education

This booklet is designed to help teachers, students, peer tutors, and youth leaders educate members of our community about recycling and related environmental topics. The materials listed below may be checked out by teachers in East Baton Rouge parish for a two-week to one-month period. Check out forms are available at The EBRP Recycling Office at 805 St. Louis Street.

Call the office ahead of time to arrange for a time to come by and check out materials at (225) 389-5194.

According to the Louisiana State Science Benchmarks, "Environmental Education is a process aimed at the development of a literate citizenry that shows concern for the total environment and its associated problems. This goal will be met by developing the knowledge, attitudes, motivation, commitment and skills to work individually and collectively toward the solutions of current problems and the prevention of new ones." The resources in this booklet are intended to provide aid in teaching these processes.

Sections 2 through 8 of this booklet outline recycling and environmental resources available at the EBRP Recycling Office that include:

-  complete lesson plans
-  books
-  videos
-  tours
-  recycling resource box
-  internet links
-  other environmental resources

Section 2 Lesson Plans for Loan

1-An Ounce of Prevention

Lal, Crystal, et al.; The National Science Teachers Association and Dow Chemical Company: 1997

Grade Level: 5-8

88 Pages including Student Activities

Super resource with science curriculum. Easy-to-do activities provide information on garbage, waste reduction, packaging, household hazardous material, and life cycles.

2-Browning Ferris Industries: MOBIUS

Curriculum: Understanding the Waste Cycle.

A Recycling and Environmental Education Curriculum for Grades 4-6. Third Edition, Browning Ferris Industries: 1995

Grade Level: 4-6

Excellent lessons and activities designed to help teach students current information for managing the waste stream. Integrated

Cartoon curriculum includes recycling, landfills, and fun ideas for teaching waste management.

3-Composting: Mother Nature's Recipe Teacher/Leader Guide

Sklar, Susan Howard; East Baton Rouge Parish Recycling Office: 1998

Grade Level K-12

Activities and lesson plans to learn about composting.

4-Drinking Water Activities for Students, Teachers, and Parents.

U.S. E.P.A. EPA 810-B-99-002

Grade Level K-12

Curriculum is divided into grades K-3,4-7,8-12.

Materials will provide additional information and classroom activities to teach about drinking water.

5-Educators Earth Day Sourcebook

U.S.E.P.A. Office of the Administrator 20Z-1004: 1990

Grade Level 7-12

Resources for educators with ideas about activities for actions each person can take to help in preventing pollution.



6-Earth Day 1990 Lesson Plans and Home Surveys

Holm-Shuett, Amy and Greg Shuett; San Francisco, CA: Earth Day Resources :1990

Grade Level: 7-12
39 Pages

Provides educators with lessons on water, toxics, energy, transportation, solid waste and recycling. Endorsed by the American Federation of Teachers (AFT), the National Education Association (NEA) and the National Association of State Boards of Education.

7-Rex and Regina: The Recycling Robots Present A Lesson for Living

A Recycling Curriculum Guide produced by the Louisiana Department of Natural Resources and Environmental Quality: 1999

Grade Level: 4-8

Variety of classroom activities about garbage, recycling and reuse created for Louisiana students by Louisiana environmentalists.

8-Rot Happens! A Recycling/Composting Activity Kit for Teachers

Parish of Ascension; Tommy Martinez, Parish President: 1996

Grade Level: 4-8

Activities include Rot Happens!, Garbage Pizza, Where is Away, Lets Make Paper and many other hands-on classroom exercises.

9-Turning the Tide on Trash: A Learning Guide to Marine Debris

U.S.E.P.A. EPA842-B-92-003: 1992

Grade Level: 4-7
78 pages

Instructional manual for teachers includes information about marine pollution and solutions to pollution.

10-Waste Wise Concepts in Waste Management: A Resource Guide for Teachers Using Concepts of Critical Thinking and Decision Making

Heimlich, Joe; Washington D.C.: The Aseptic Packaging Council: 1991

Grade Level: 6-8
40 pages

Twenty-four waste management activities that include background information, student handouts, quick references, objectives, methods, materials procedures and "going further" activities.

11-Worms Eat Our Garbage: Classroom Activities for a Better Environment

Appelhof, Mary, Mary Frances Fenton, and Barbara Loss Harris; Kalamazoo, MI: Flower Press : 1993

Grade Level: 4-12
214 pages

Everything needed in a worm curriculum. Can be used at home, school and outdoor centers. Activities are both fun and educational.



Section 3 Books for Loan

12-Backyard Composting: Your Complete Guide to Recycling Yard Clippings.

Roulac, John W.; Ojai, CA; Harmonious Press: 1992

Grade Level: 7-12
96 Pages

Discusses all types of compost bin designs and the maintenance of bins.

13-Embracing the Earth

Harris, D. Mark; Chicago, IL: The Noble Press: 1990

Grade Level: 8-12
162 pages

Sourcebook that shows how actions individuals take every day will help to make our Earth a more environmentally sound planet.

14-50 Simple Things You Can Do to Save the Earth

The Earth Works Group; Berkley, CA: Earthworks Press: 1989

Grade Level: 6-12
96 Pages

Provides practical advice and practices on personal environmental responsibility, resource reduction and recycling.

15-50 Simple Things Your Business Can Do to Save the Earth

The Earth Works Group. Berkley, CA: Earthworks Press: 1991

Grade Level: 6-12

120 Pages

Provides practical advice and practices on business recycling.

16-The Green Reader Essays Toward a Sustainable Society.

Edited by Andrew Dobson; San Francisco, CA Mercury House Inc.: 1991

Grade level: 10-12, College

280 pages

A treasury of essays by environmental contributors.

17-Going Green: A Kids Handbook to Saving the Planet

Elkington, John, et al.; New York, NY: Puffin Books: 1990

Grade Level: 7-10

109 Pages

Amazing facts, simple projects and tips on waste reduction, recycling, and reuse.

18-Homemade Money: How to Save Energy and Dollars in Your Home

Heede, Richard, et al. Amherst, NH: Brick House Publishing Company: 1995

Grade Level: 8-12

258 pages

This book contains hundreds of projects to make your home more resource efficient.

19-Let's Talk Trash

McQueen, Kelly and David Fassler; Burlington, VT: Waterfront Books: 1991

Grade Level: K-3

159 Pages

This wonderful black and white book includes questions and drawings created by children about trash and recycling. These are real questions, answers and drawings created by children who are aware of environmental issues.

20-Mister Rumples Recycles

Coltharpe, Barbara Anne; Baton Rouge, LA: Hyacinth House: 1989

Grade Level: Pre-K - K

Mr. "Grumpy" Rumples teaches children about compost, balance, and recycling. This is a delightful story that is fun to read aloud.

21-The Official Earth Day Guide to Planet Repair

Hayes, Denis. Washington, D.C.: Island Press: 2000

Grade Level: 7-12

182 Pages

Great resource on a variety of environmental issues.

22-Paper By Kids

Grummer, Arnold; New York, NY: Dillon Press: 1990

Grade Level 4-8

105 pages

How to make various types of paper from recycled material.

23-The Rainstick - A Fable

Robinson, Sandra Chisholm; Helena, MT: Falcon Press Publishing Corp.

Grade Level: 4-6

40 pages

Storybook filled with myths, traditions and riddles about rainsticks (full-color illustrations).

24-Recycle! A Handbook for Kids.

Gibbons, Gail; New York: Little, Brown and Company: 1992

Grade Level: 2-3

28 pages

Colorfully illustrated book that describes recycling in a way young students can comprehend.

25-The Solution to Pollution: 101 Things You Can Do To Clean Up Your Environment

Sombke, Laurence; New York, NY: MasterMedia Limited: 1990

Grade Level: 8-12

115 Pages

Learn hundreds of ways to reduce waste and pollution at home, in the backyard, and at the supermarket.

26-Ten Easy Ways to Buy Recycled: A Smart Shopper's Guide to Closing the Loop

Makower, Joel; Sacramento, CA: California Department of Conservation: 1997

Grade Level: 7-12

Explains how recycling can be an engine for economic growth as well as resource conservation when people buy recycled products.

27-Tin Can Papermaking – Recycle for Earth and Art

Grummer, Arnold; Milwaukee, WI: Greg Markim Inc.: 1992

For Instructors

80 pages

Instructional manual for teachers for making recycled papers and art from old newsprint.

28-Who Cares? I Do

Leaf, Munro; New York, NY: J.B. Lippincott Company

Grade Level: 1-3

40 pages

Black and white photos and cartoon drawings make this an eye opener about litter prevention.

29- 50 Simple Things Kids Can Do to Save the Earth

Java, John & The Earth Works Group. New York, NY: Universal Press Syndicate Company: 1990

Grade Level: 6-12

120 Pages

Explains how specific things in a child's environment are connected to the world and how individual habits and projects can improve the environment.



Section 4 Video for Loan

30-Louisiana Public Broadcasting's Enviro-Tacklebox –Tackle Trash

Director Homer Dyess.

Louisiana Public Broadcasting

Photographer, Writer and Director Mark Romanek. Producers Christine Vachon, Pam Koffler, and Stan Wlodkowski. Performed by Robin Williams. Fox Searchlight, 2002. – One Hour

Section 5 Tours Available to the Public

31-Louisiana Wetlands: A Field Trip Guide

By: Doug Daigle and Paul Davidson

This reference guide provides information about tours to: Alligator Bayou, Atchafalaya National Wildlife Refuge, Bayou Sauvage National Wildlife Refuge, Mary Brown Preserve, Cypress Island Preserve, Fairview Riverside State Park, Fontainebleau State Park, Grand Cote/Lake Ophelia National Wildlife Refuge, Henderson Swamp, Jean Lafitte National Park and Preserve, Lake Fosse Pointe State Park, Turtle Cove Environmental Research Station, White Kitchen Preserve, Honey Island Swamp, and Pearl River Wildlife Management Area.

32-Recycling Foundation

7923 Tom Dr.

Baton Rouge, LA 70806

Call (225) 925-3442 to arrange tours

An active tour of the recycling center where curbside and commercial materials are sorted and baled. The tour takes students through the entire recyclable recovery process from unloading the truck to separation to baling and shipping.













Section 6 The Recycling Resource Box for Loan

The East Baton Rouge Parish Recycling Office has a Recycling Resource Box that is

available for loan to area schools. The box can be checked out for one month. Please call several days in advance to arrange for pickup.

This box contains material that is made from recycled products or recyclable products or a combination of the two. If your students want hands-on experience with recycled goods, this is a great “show and tell” addition to any lesson.

The box contains:

-  One brick of 500 recycled aluminum cans.
-  Pre-formed plastic soft drink bottles
-  A doormat made from recycled tires
-  A notebook made from recycled paper
-  A greeting card made from recycled paper
-  A ruler made from recycled plastic soft drink bottles
-  A piece of plastic lumber made from recycled milk and detergent bottles
-  A glass bottle made from recycled glass
-  A steel can that can be recycled into car parts
-  A cereal box made from recycled newspaper, mixed paper and boxboard

Section 7 Internet Sites

U. S. Environmental Protection Agency (EPA) **www.epa.gov**

This site contains all information the EPA posts. A resource for students of all ages.

U.S.E.P.A. Kids Pages **www.epa.gov/students/**

This site contains fun environmental activities for middle school students.

Louisiana Department of Environmental Quality (DEQ) **www.deq.state.la.us/**

The official Louisiana environmental quality web site.

East Baton Rouge Parish Recycling Office **www.brgov.com/recycle**

This is our site. It contains all the information you need about Recycling in East Baton Rouge Parish. Contains information about curbside recycling and special projects and educational activities.

America Recycles Day **www.americarecyclesday.org/**

This is the official site of America Recycles Day –November 15th of each year. Students can sign pledge cards to recycle.

Discover Magazine **www.discover.com/**

This site contains a variety of scientific information. Geared to high school students.

Recycling Facts for Kids –Thomas Recycling **www.thomasrecycling.com**

This site contains a variety of facts about recycling.

New York State’s Recycling Lessons and Activities for Students

www.dec.state.ny.us/website/dshm/redrecy/teachall.pdf

SUPER SITE!!! This site contains great lessons on recycling. Check it out!

A to Z Teacher Stuff –The Environment **www.atozteacherstuff.com/Themes/Environment/index.shtml**

This site contains lesson plans on the environment and many other topics.

Ask Eric – Environmental Education Lessons **http://askeric.org/cgi-bin/lessons.cgi/Science/Environmental_Education**

This is a list of environmental education lesson plans that can be found in the Science section of the Lesson Plan index maintained by the Education Resources Information Center, a Federally supported education information clearinghouse. Users need to browse this listing to find those that address recycling or solid waste related topics.

Baton Rouge Earth Day – www.earthdaybr.org

The South’s largest environmental education festival is held in April in downtown Baton Rouge. The event features a day of exhibits, food, music and entertainment.

Keep Baton Rouge Beautiful – www.kbrb.org

This group is the principal anti-litter organization in the Greater Baton Rouge area.

Hilltop Arboretum – www.lsu.edu/hilltop

Where people experience and learn about nature, plants and the Louisiana landscape.

Section 8 Workshop

Waste In Place Workshop Available to Teachers

Sponsored by KEEP LOUISIANA BEAUTIFUL
Contact: Gwen Emick,
Executive Director Keep Baton Rouge Beautiful
Phone: 225-381-0860
Email: emick@bellsouth.net

Grades K-6

Six-hour workshop that also includes a 132 page Waste in Place Lesson Plan Guide for each participant. This is an excellent resource with an overview of effective solid waste handling practices. Waste In Place applies an integrated approach to the management of municipal solid waste. This guide includes fun to do interactive hands-on lessons.



Section 9 Recycled Computers Available

The Computers for Louisiana's Kids (CLK) program was created by The Capital Area Corporate Recycling Council (CACRC) to extend the lifecycle of electronic computer equipment and teach students important technology skills. CACRC is a non-profit organization that recycles thousands of computers each year by redistributing viable equipment to be used in schools across the state participating in our CLK program. There are currently 60 such programs state-wide.

When joining the CLK program, schools agree to teach a class on computer repair. CLK provides curriculum, training for teachers, and the equipment necessary for the class. The used equipment is recycled at year's end.

You can bring your old computers and electronics to CACRC. The warehouse is open Monday through Friday, 8:30 am to 4:00 pm.

For more information:
please call 225 379-3577 or see the website
www.clkonline.org and www.cacrc.com

**This teacher resource guide
is sponsored by
City of Baton Rouge, Parish of East Baton Rouge,
East Baton Rouge Parish Recycling Office and
Recycling Foundation of Baton Rouge**



East Baton Rouge Parish Recycling Office

805 St. Louis St., Baton Rouge, LA 70802

<http://www.brgov.com/recycle>

Phone: 225-389-5194 Fax: 225-389-8332

Email: recycle@brgov.com