

# CURRICULA AND CLASSROOM TOOLS

## **Waste in Place and Clean Sweep USA**

- Curriculum Supplement for K-6 (visit <http://www.kab.org/aboutus2.asp?id=181> for a sample lesson) and companion website, [www.kab.org/cleansweepusa](http://www.kab.org/cleansweepusa) - many activities can be adapted to older students
- Provides a balanced perspective on litter prevention and responsible solid waste practices
- Builds critical thinking, processing, and problem-solving skills through imaginative, hands-on lessons
- 22 lesson plans covering diverse subjects, including litter prevention, waste reduction, recycling, landfills, and much more
- Lessons can be taught individually or in sequence
- Developed and field tested by professional educators and solid waste experts
- Correlated to Georgia's Quality Core Curriculum and North American Association of Environmental Educators (NAAEE) Standards – Soon to be correlated with Georgia Performance Standards
- Contact Sarah Visser at 404-679-4853 or [svisser@dca.state.ga.us](mailto:svisser@dca.state.ga.us) to schedule a teacher workshop at no charge for 20 or more teachers. Each participant receives a copy of the curriculum as well as additional resources.

## **EE in Georgia**

The online guide to environmental education in Georgia, this website offers teacher tested lesson plans through Georgia Learning Connections (including selected Waste in Place lessons). The site also features a resource directory that includes environmental organizations, workshops, events and field trip destinations. Visit [www.EEInGeorgia.org](http://www.EEInGeorgia.org).

## ***Graffiti Hurts*<sup>®</sup>**

The *Graffiti Hurts*<sup>®</sup> Program, a partnership between Keep America Beautiful and Sherwin Williams, is dedicated to helping communities initiate local graffiti prevention activities, and educating youth and adults about the impact of graffiti vandalism. Classroom lesson plans are available for download and individuals and communities can order a *Graffiti Hurts*<sup>®</sup> kit to begin eliminating graffiti in their community. For more information, visit [www.GraffitiHurts.org](http://www.GraffitiHurts.org).

## **EnviroScapes**

EnviroScapes are portable, interactive tabletop models that demonstrate nonpoint source pollution, wetlands, and landfill systems. The three-dimensional landscapes illustrate residential, recreational, agricultural, industrial, and transportation uses as possible sources of water pollution. Participants learn by using chemicals (powdered drink mix) and loose soil (cocoa) to simulate typical community activities. Instructors use the materials included in the kit to illustrate how pollution can be reduced or prevented. The models are appropriate for all ages from children to adults. For more information about the EnviroScapes or to arrange for a model to visit your classroom, please contact Sarah Visser at 404-679-4853 or [svisser@dca.state.ga.us](mailto:svisser@dca.state.ga.us).

## **Catch the Cycle, School Recycling Guide**

Trying to start a recycling program at your school, but unsure where to begin? Keep Georgia Beautiful worked with educators and recycling experts to create a comprehensive guide that will show you how to get started recycling! The guide is available at [http://www.keepgeorgiabeautiful.org/education\\_recycling.html](http://www.keepgeorgiabeautiful.org/education_recycling.html). For a hard copy contact Sarah Visser at [svisser@dca.state.ga.us](mailto:svisser@dca.state.ga.us) or (404) 679-4853.

# EVENTS AND OPPORTUNITIES FOR ACTION

## **Winning Water, Georgia's Children's Water Festival**

Winning Water is an interactive day of learning for fourth graders designed to educate students about ground, drinking, surface water (watersheds) and water quality in a fun, hands-on atmosphere. Coordinated by Keep Georgia Beautiful, the Festival rotates to a different basin area each year. For more information visit [www.WinningWater.org](http://www.WinningWater.org).

## **Great American Cleanup**

Keep America Beautiful's Great American Cleanup is an annual, nationwide, community improvement campaign. Each April, thousands of Georgians celebrate Keep Georgia Beautiful Month by cleaning, restoring, and beautifying their communities as part of the Cleanup. Supplies are available for participating organizations. For information about how your school can become involved, contact your local KAB affiliate or visit [http://www.keepgeorgiabehautiful.org/great\\_am\\_cleanup.html](http://www.keepgeorgiabehautiful.org/great_am_cleanup.html).

## **Rivers Alive**

Rivers Alive is Georgia's annual volunteer waterway cleanup that targets all waterways in the State including streams, rivers, lakes, beaches, and wetlands. The cleanup is sponsored by the Department of Natural Resources Adopt a Stream program and the Department of Community Affairs Keep Georgia Beautiful program. Everyone contributes to pollution in our streams. This is your opportunity to help by giving something back to the environment! To get your class or school involved contact your local KAB affiliate or visit [www.RiversAlive.org](http://www.RiversAlive.org).

## **Catch the Cycle, School Recycling Guide**

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## **America Recycles Day**

America Recycles Day is November 15, but it's never too early to show your resolve to support recycling. In Georgia, ARD activities are coordinated by the Georgia Recycling Coalition. For more information about how your students can make a commitment to recycling and be entered in a drawing for a variety of great state and national prizes visit [www.americarecyclesday.org](http://www.americarecyclesday.org). For more information about recycling in Georgia, contact Joe Dunlop at (404) 679- 1598 or by email at [jdunlop@dca.state.ga.us](mailto:jdunlop@dca.state.ga.us).

## **Green and Healthy Schools**

"Georgia Green & Healthy Schools" is a new collaborative initiative to assist and support schools in understanding and practicing environmentally sound principles. The program has just finished its pilot phase and will be launching this fall. Please visit [www.EEinGeorgia.org/gghs](http://www.EEinGeorgia.org/gghs) in October 2005 to learn how to get started!

# RESOURCES IN THE HARD COPY KIT

In addition to the information available online, the **KGB Educator Kit** includes hard copies of:

## **Catch the Cycle, School Recycling Guide**

## **Sample Waste in Place Lesson**

## **KGB Brochure and Bookmark**

The brochure offers a description of the Keep Georgia Beautiful program and each of our projects. An online copy can be found at <http://www.keepgeorgiabeautiful.org/KGBbroVol.pdf>. The bookmark features work by a local artist. If you would like additional bookmarks to hand out to your class, please contact Sarah Visser at 404-679-4853 or [svisser@dca.state.ga.us](mailto:svisser@dca.state.ga.us).

## **KGB Affiliate List**

A list of our local affiliates and their phone numbers. An updated list can also be found at [http://www.keepgeorgiabeautiful.org/local\\_affiliate.html](http://www.keepgeorgiabeautiful.org/local_affiliate.html).

## **Clean Sweep USA Poster**

A colorful poster featuring the characters from the Clean Sweep website. The back side provides information on using the site, background information on waste management and a classroom activity.

## **Take Action Poster**

This poster will help you link education to action in a way that nurtures stewardship, pride and individual responsibility. Perfect for the classroom as it is printed with lessons and simple project plans on the reverse side.

## **230 Million Tons of Trash**

Describes the options available for solid waste management. The back of the poster is printed with five activities to encourage dialogue about each of the waste management options—all can be easily copied for use in the classroom, at community workshops, or in business education settings.

## **Make a Difference Poster**

This poster highlights 20 ways to beautify your local environment.

## **You're the Solution to Water Pollution Poster**

An educational poster produced by the Pollution Prevention Assistance Division that outlines the ways individuals can help prevent nonpoint source water pollution.

**To request a hard copy of the KGB Educator Kit, please contact Sarah Visser at (404) 679-4853 or [svisser@dca.state.ga.us](mailto:svisser@dca.state.ga.us).**

# ADDITIONAL RESOURCES

## **Curricula/Teacher Training**

**Project WET (Water Education for Teachers)** is a nonprofit water education program and publisher for educators and young people ages 5-18. In Georgia, Project WET also coordinates River of Words an international environmental art and poetry contest for grades K-12. For more information visit: <http://www.eealliance.org/gaprojectwet/main.htm>.

Through the use of balanced curriculum materials and professional training workshops, **Project WILD** develops awareness, knowledge, skills and commitment leading to informed decisions, responsible behavior, and constructive action concerning wildlife and the environment. For more information visit: [www.projectwild.org](http://www.projectwild.org).

Through hands-on, interdisciplinary activities, **Project Learning Tree** provides students with opportunities to investigate environmental and forestry issues and develop the skills to make informed and responsible decisions. To schedule a workshop visit: <http://www.gfc.state.ga.us/Education/ProjectLearningTree.cfm>.

**Georgia's Native Waters** is an interdisciplinary set of environmental education lessons for kindergarten through twelfth grade students that inspire them to apply classroom knowledge to real-world situations; while at the same time connecting how community values can impact Georgia's aquatic ecosystems. For more information visit: [www.GeorgiaConservancy.org](http://www.GeorgiaConservancy.org) or call 404.876.2900 x 113.

The **Georgia Power Environmental Teachers Corps** offers exciting, hands-on environmental programs for students in grades K-5. Developed by educators to address the state's educational standards, lessons are presented by a statewide network of volunteers. To arrange for programs in your area, please call your local Georgia Power office. To view a description of the lessons visit: <http://www.southerncompany.com/gapower/community/teachercorp.asp?mnuOpco=gpc&mnuType=sub&mnuItem=oc>

## **Environmental Education Alliance**

As an affiliate of the North American Association for Environmental Education, EEA works to promote environmental education by providing opportunities for member organizations, schools, and the general public to get involved through the annual EEA conference, member newsletter, environmental event postings, and teacher resource directory. For more information visit: [www.eealliance.org](http://www.eealliance.org).

## **USGS Water Science for Schools**

An interactive website that offers information on water, including pictures, data, maps, opinion polls and quizzes. For more information visit: <http://ga.water.usgs.gov/edu/>.

## **Earth's 911**

Earth's 911 is an interactive, online and phone line resource that allows users to search for recycling, event, and beach water quality information specific to their community. The system also provides environmental tips for users. Available at: <http://www.earth911.org/master.asp> and 1-800-CLEANUP.

# GRANTS AND AWARDS

## **Keep America Beautiful Awards Program**

Keep America Beautiful's annual National Awards program honors businesses, youth groups, government agencies and nonprofit organizations for their work in litter prevention, waste reduction, beautification and community improvement. To be eligible, a program or project must: Be a continuing effort or dramatize the need for ongoing action; educate the community about litter prevention, beautification or waste minimization; and have taken place within the last 12 months. The award deadline is generally at the end of August/beginning of September. For more information, please visit:

<http://www.kab.org/aboutus.asp?id=122&rid=123>.

## **Keep Georgia Beautiful Awards Program**

The Keep Georgia Beautiful Awards Program annually honors individuals, organizations, and companies, whose ongoing efforts prevent litter, conserve or protect water resources, improve community waste handling practices through recycling and waste minimization, and/or preserve the natural beauty and environment of Georgia. KGB also has a Student of the Year category; the winner receives a \$1,000 award. The award deadline is generally at the end of August/beginning of September. For more information about the awards program, please visit: [http://www.dca.state.ga.us/environmental/kgb/awards\\_grants.html](http://www.dca.state.ga.us/environmental/kgb/awards_grants.html).

## **Keep Georgia Beautiful Foundation Grants**

The Keep Georgia Beautiful Foundation funds grant requests to support fair and balanced environmental education in Georgia. To be eligible, applicants must represent: a local or regional Keep America Beautiful (KAB) affiliate, an educational group, a local government, a non-profit group, or an organization that supports the mission of Keep America Beautiful, Inc. The mission of KAB is "To empower individuals to take greater responsibility for enhancing their community environment." The deadline is generally in March. For more information, please visit [www.KGBF.org](http://www.KGBF.org).

# FOR OLDER STUDENTS

## **Lesson Plans**

KAB has several lesson plans covering solid waste management, recycling, community decision making, social responsibility and graffiti that are appropriate for older students. If you are interested in a Teacher Workshop based on materials for high school students, please contact Sarah Visser at [svisser@dca.state.ga.us](mailto:svisser@dca.state.ga.us) or 404-679-4853.

## **Service Learning Opportunities**

### **Waste in Place/ Clean Sweep**

These lessons (see the curricula page) provide a wonderful opportunity for middle, high, and college students to mentor and teach younger students. Why not pair younger students with older ones to go deeper with the research provided on the Clean Sweep website? Or let aspiring teachers coordinate a lesson? Students could also use the activities to man a booth at school/community festivals. The possibilities are endless!

### ***Graffiti Hurts***<sup>®</sup>

In addition to lesson plans, *Graffiti Hurts*<sup>®</sup> offers an action kit to help communities educate citizens and combat graffiti. Ask students to research the amount of money their city spends on graffiti removal. What opportunities are missed because that money must be spent to remove graffiti? Students can take on a variety of projects based on the *Graffiti Hurts*<sup>®</sup> program including community education, graffiti removal and mural development. For more information visit: [www.GraffitiHurts.org](http://www.GraffitiHurts.org).

### **Waste in the Workplace**

Designed to help businesses improve their bottom line by assessing their waste stream and identifying alternatives to traditional disposal; Waste in the Workplace can be used by students to audit their school or any other community location. WIW allows students to see the connection between waste generation and the cost of doing business. For more information about Waste in the Workplace, please contact Sarah Visser at [svisser@dca.state.ga.us](mailto:svisser@dca.state.ga.us) or 404-679-4853.

### **Catch the Cycle, School Recycling Guide**

Using the information gleaned from a waste audit, older students can start or strengthen a recycling program with the information contained in Catch the Cycle. The guide is available online at [http://www.keepgeorgiabeautiful.org/education\\_recycling.html](http://www.keepgeorgiabeautiful.org/education_recycling.html).

For additional service learning opportunities, see the Events and Opportunities for Action Page. For more information about all of KAB's service learning opportunities, contact Sarah Visser at [svisser@dca.state.ga.us](mailto:svisser@dca.state.ga.us) or 404-679-4853.