



## **KEEP CINCINNATI BEAUTIFUL ENVIRONMENTAL EDUCATION PROGRAM CATALOGUE**

### **ASSEMBLIES**

#### **Wartville Wizard (Grades PreK-3)**

Entering its 16th season, this whimsical, 30-minute play, utilizes Walnut Hills High School advanced drama students as the actors who deliver the message that it's important to take care of your neighborhood. The traveling show is performed once a month and is under the direction of drama coach Kate Wilford. The assembly includes a 20-minute performance, followed by a question and answer period. At the conclusion, whenever possible, a Cincinnati Police Officer "deputizes" the student audience to be litter patrol officers in their communities. All students receive Junior Litter Patrol Officer Badges to show off to their families.

#### **How Litter Hurts Animals/Wings of Wonder (Grades PreK-6)**

This assembly is a litter prevention program in partnership with the Cincinnati Zoo, which utilizes our zoo animal friends to reinforce the message that litter is harmful to all types of animals. The assembly is entering its 10th season. Two Cincinnati Zoo bird trainers from their Wings of Wonder Bird Show travel to elementary schools with a variety of animals, props and sound equipment. They weave the how litter hurts animals message, utilizing several zoo animals that include a skunk, rats, a penguin and lots of bird species. For many children, a visit to the Zoo is not possible, and this program teaches habitats, geography, animal characteristics as well as the relationship between litter and animal wellbeing.

#### **Ready, Set, RECYCLE! (Grades PreK-6)**

Ready, Set, RECYCLE is a 20-minute, information-packed pep rally to get students excited about recycling. **We've made it a baseline requirement for schools that receive other KCB environmental education programming** to familiarize students with our organization and the basics of recycling. We use giant props to capture the attention of students, K-8th grade. Students receive a recycling postcard with an activity, courtesy of Hamilton County Recycling & Solid Waste District.

# **CLASSROOM PRESENTATIONS**

## **NATURAL RESOURCE CONSERVATION OUTREACH PROGRAMS**

### **Compost Stew (Grades K-1)**

We'll read the book Compost Stew and follow along by creating our own batch of "compost". Students will learn how the earth recycles and why it's important for us to do things, like compost, to reduce the amount of waste we create. (30 minutes)

### **Fred the Fish (Grades K-4)**

Fred is a little fish whose curiosity gets the best of him as he sets out to explore the Mill Creek. He has no idea that there is a lot more than water in the water! We will follow Fred on his journey and see the effects of water pollution on wildlife as well as discuss what we can do to help keep the water clean. (45 minutes)

### **Water, Water Everywhere (Grades 3-8 and 9-12)**

This program allows students to appreciate how little water is actually available for human use with a demonstration of water availability and a hands-on activity in which they manage their water for various uses. Students discuss how humans use water, understand the importance of managing this resource carefully and formulate ideas to conserve water and maintain a quality supply. (45 minutes)

### **The Mystery of Landfills (Grades 3-8 and 9-12)**

What happens to our trash after it is picked up at curbside? What is the difference between a dump and a sanitary landfill? How are landfills designed to minimize the effects of solid waste disposal on our environment? Using a model of a landfill to visually depict the components of its design we will discuss the answers to these and other questions. (45 minutes)

### **Understanding your Carbon Footprint (Grades 6-8 and 9-12)**

Students will learn about greenhouse gasses, global warming and uncover the biggest contributors to their individual "footprint." They will also learn how to calculate their carbon footprint and encouraged to share this with their families. We will discuss ways to alter their daily living in order to make a positive impact on the environment. (45 minutes)

### **Wonders of the Sun (Grades 5-8 and 9-12)**

In this program, students are able to better appreciate the many uses of our Sun. Students become familiar with the concept of UV rays through an activity with UV color changing beads utilizing outdoor observation and inquiry. They gain an understanding of what solar energy is, how it is used and about the greenhouse effect. (45 minutes)

## **CLASSROOM PRESENTATIONS CONT.**

### **LITTER PREVENTION OUTREACH PROGRAMS**

#### **Jitter, Don't Litter (Grades Preschool -1)**

This is a story that will set your kids' toes to tappin'. With colorful characters from "How Spider Stopped the Litterbugs" we'll dance and sing our way to the realization that everyone (even kids) can help keep our city litter-free. (30 minutes)

#### **How Litter Hurts Animals (Grades Preschool-3)**

All children have a warm spot in their hearts for animals. In this program we introduce children to the idea that litter not only makes the neighborhood look trashy, it can also harm pets and other wild things. Through the use of a puppet show and age-appropriate discussions we will establish a connection that is deep and meaningful to them. (30 minutes)

### **RECYCLING OUTREACH PROGRAMS**

#### **Eco-Art (Grades 2-8)**

After a brief review and discussion of the three R's, children will tap into their creative side to explore the reuse leg of the reduce-reuse-recycle triangle. We'll put into practice the concept of reuse through craft making from of an item usually destined for the landfill, which students get to take home! We provide the craft materials but request that each class supply its own glue, scissors, and crayons or markers. (30-45 minutes)

#### **Paper Recycling (Grades K-8)**

This is one of our most popular programs. Students learn where paper comes from, its history, its future and why recycling paper is beneficial to the environment. Then they will operate their own paper recycling factory and produce recycled paper right in your classroom. (45 minutes)

#### **Recycle This! (Grades 2-8 and 9-12)**

This program involves a discussion about the natural resources from which different kinds of packaging are made, our ability to recycle packaging as well as its biodegradability (or lack thereof). We'll demonstrate how recycling our packaging saves resources, landfill space and energy. The program concludes with a game in which students practice sorting their recyclables for curbside collection. (45 minutes)

## **FIELD TRIPS**

### **Cincinnati Parks Nature Center & Rumpke Sanitary Landfill Tour (Grades 3-6)**

On this field trip, your 3rd-6th graders will gain a better understanding of where their trash goes and why it's so important to recycle. Participating classes begin a week prior with an in-class presentation about the history and structure of landfills with our "Mystery of Landfills" classroom presentation. On the day of the field trip, students will visit the Rumpke Sanitary Landfill to experience and build upon their knowledge of landfills. Students continue the day with a bus ride to the nature center (either Trailside Nature Preserve, Avon Woods Nature Center, or LaBoiteaux Woods Nature Center) for a program about natural recycling (and lunch). The day convenes with a discussion about the topics learned and acknowledgement of the program sponsor, Charles H. Dater Foundation.

### **Rumpke Landfill & Materials Recovery Facility Tour (Grades 7-12)**

Participating classes begin a week prior with an in-class presentations about the history and structure of landfills with our "Mystery of Landfills" classroom presentation. On the day of the field trip, students will visit the Rumpke Sanitary Landfill to experience and build upon their knowledge of landfills. Students will continue the day with a bus ride to the Materials Recycling Facility (MRF) in St. Bernard where they will enjoy a packed lunch and a hard-hat tour to understand all that goes into the sorting of single-stream recycling. Finally, the day convenes with a discussion on the importance of natural resources and acknowledgement of the program sponsor, Charles H. Dater Foundation.

### **Civic Garden Center & Metropolitan Sewer District Tour (Grades 7-12)**

We now offer the opportunity for high school students to visit the Civic Garden Center Green Learning Station and the Metropolitan Sewer District's (MSD) Waste Water Treatment Plant. This new program helps students make the connection between non-point source pollution and how it affects our local waterways. Students begin the day with a bus ride to the Civic Garden Center where they will perform hands-on experiments through their Green Learning Stations to learn about stormwater, green roofs, permeable pavement, and combined sewer overflows. They will enjoy a packed lunch and then take another bus ride to the MSD's Wastewater Treatment plant. Here, they will take a walking tour of the plant and end their day discussing how wastewater entering the plant, or *influent*, is treated and turned into effluent and released into the environment.

## **SERVICE LEARNING - (GRADES 3-12)**

Students will be taught and trained on either the “Fred, the Fish” water pollution classroom presentation or the “Recycle This!” presentation and receive all the necessary teaching materials to present on their own. These students will serve as mentors and teachers to both their peers and the younger students in their community. This is a great opportunity for students to gain public speaking and leadership skills. This is also a great opportunity for teens to receive community service hours. The time commitment is 45 minutes and can be an in-classroom or after-school activity.

We can also customize a service learning opportunity to fit your curriculum. For example, we can help older students partner with a nearby elementary school for a cleanup or planting event. We can also connect students with their local community council or other local organization to partner on a community project. This is a great way for high school students to complete their community service hours!

## **GREAT AMERICAN CLEANUP - (ALL GRADES)**

As a part of this national cleanup effort, all schools who receive KCB programming **are required to participate in a campus cleanup**. This could be a small class or the whole school; but each teacher/principal chooses the date and time for their campus cleanup and KCB will provide bags, gloves, and car litter bags to take home to share the litter-free message with their families. This is an important part of students taking their knowledge and putting it into action!

## **SCHOOL RECYCLING RESOURCES (ALL SCHOOLS)**

### **School and Cafeteria Recycling Signage**

If your school needs support with recycling in the cafeteria, common areas, or classrooms, we are here to help! We offer personalized recycling signage for your school and can offer other types of support.

### **Green Team Support**

We believe every school needs a Green Champion to empower the rest of the students! If your school has a Green Team that cares for the recycling, we would love to meet and support them as well with some awesome official Recycling Crew gear.