

# Mark your calendar!

**April 22** Earth Day

**April 29** Arbor Day

**June 18** Ohio River Sweep

**November 15** America Recycles Day



## FREE FIELD TRIP?

Adams Brown Recycling offers FREE tours of our facility in Georgetown! Bring your class to experience the recycling process first hand.

From sorting the materials, to viewing the finished product of recycling glass at the Glass reFactory. You can combine the trip with a tour of Rumpke also!

Contact us to schedule yours!



9262 Mt. Orab Pike  
Georgetown, OH 45121  
937-378-3431

[www.browncountysolidwaste.org](http://www.browncountysolidwaste.org)

## Adams Brown Recycling & The Brown County Solid Waste Authority

are proud to offer these free educational programs to your classroom. Each program is created to align with Ohio's New Learning Standards. While students learn about recycling and taking care of the environment, teachers utilize teaching resources which correlate with the standards and enhance lesson plans.

*For more information or to schedule a program or tour, call 937-378-3431 ext. 104 or email [pspiller@abcap.net](mailto:pspiller@abcap.net).*



# Pre K & Kindergarten Programs

## This is Our Earth

Students sort and classify recyclables based on their properties after listening to the story, "This is Our Earth." Then we discuss litter and where it does and doesn't belong. This takes about 35 minutes.



## Recycle Rex

Students will watch a 12 minute Disney video, Recycle Rex, followed by a discussion of what materials are recyclable in Brown County. Examples of products made from recycled material will be shown. Renewable and nonrenewable resources will be discussed. This takes about 30 minutes.



Ohio's New Learning Standards:

- *Properties of Everyday Objects & Materials*
- *Children deepen their learning about themselves and begin to form an understanding of roles, responsibilities for actions, and decision making in the context of the group setting.*

# High School Programs

## NSTA Power Point

I provide a Power Point presentation about renewable and nonrenewable resources. We relate these resources to the importance of recycling. Students are given a list of items and together we determine how long the trash will last, or how long it takes to decompose. This takes about 30 minutes.

## Conservation Careers (High School Seniors)

I provide a Power Point presentation about career options available within the Recycling facility at Adams Brown Recycling. I answer any questions pertaining to my job and career transition. This takes about 30 minutes.

# All Grades

## Recycling in Brown County

Students will discuss items accepted at Adams Brown Recycling in Brown County to be recycled and why. Students watch a 10 minute video showing the recycling process at Adams Brown Recycling and a 5 minute video on our Glass reFactory at Adams Brown Recycling. We discuss the importance of recycling and taking care of the environment. This takes about 30 minutes.

**This can also be done prior to or following a program by visiting [www.browncountysolidwaste.org](http://www.browncountysolidwaste.org) and watching the videos at the bottom of the home page.**



# 6th - 8th Grade Programs

## Trading Resources

During this activity we discuss the importance of natural resources and the difference between renewable and non-renewable resources. Students work together in groups to trade and barter "resources" in order to make a paper chain. This takes about 45 minutes.

## Litter Hurts

We begin this lesson by discussing litter and why it's harmful to animals. Students then view pictures of different animals and how litter in their habitats have effected them. Students brainstorm alternatives to littering or throwing trash in the landfills. This takes about 35 minutes.



## Recycling Plastic

Students will participate in the heteroform of recycling plastic. Students will be able to describe the physical changes in matter required for the recycling of plastic, glass, and metals. Students will be able to explain why recycling plastic is difficult. This takes about 45 minutes.

### Ohio's New Learning Standards

- *Changes of state are explained by a model of matter composed of atoms and/or molecules that are in motion.*
- *Students develop their understanding of the role of consumers and the interaction of markets, resources, and competition.*

# 1st Grade Programs

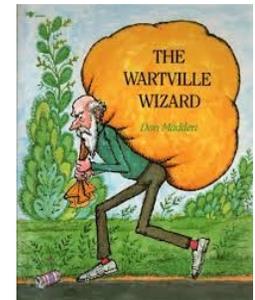
## Four Pounds of Trash!

Students will help fill a container with four pounds of clean trash. A scale will be used for accuracy. Students will discover that each child in the US produces four pounds of trash each day. Students will infer how much trash the class makes every day. Reducing, reusing, and recycling will be discussed and modeled. This takes about 30 minutes.



## The Wartville Wizard

Students interact with a story about a town that litters a lot and a man who is tired of it! We discuss events throughout the story as well as vocabulary words: litter and litterbug. This takes about 45 minutes.



### Ohio's New Learning Standards:

- *Living things have basic needs, which are met by obtaining materials from the physical environment.*
- *Students build the foundation for understanding their roles as citizens.*

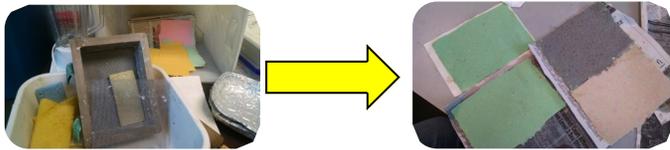
## 2nd & 3rd Grade Programs

### Recycling Prizes

Students discuss recycling, the 3 Rs, the importance of recycling, and what happens to recyclables after they leave the recycling boxes. We talk about each item that is accepted to be recycled at Adams Brown Recycling and what it could be made into. The recyclable item is put into the "Magic Recycling Machine" and a recycled material is pulled out! This takes about 35 minutes.

### Paper Factory

Students simulate the real paper making process! They process recyclables by sorting based on their physical properties. Then discuss the changes in the properties as the paper goes from a solid to a liquid and back! This takes about 45 minutes.



### Show-N-Tell Recycling

Students learn about the landfill, the 3 Rs of recycling, what the proper recyclable items are, and get an introduction about natural resources. Students match recyclable material with an item made from the recycled material. This takes about 30 minutes.

#### Ohio's New Learning Standards

- *Living things cause changes on Earth.*
- *Earth's resources can be used for energy.*
- *Some of Earth's resources are limited.*
- *Matter exists in different states, each of which has different properties.*

## 4th & 5th Grade Programs

### Earth Jeopardy

Students begin by participating in a discussion about topics including, natural resources, renewable & non-renewable resources, recycling, and items accepted to be recycled in Brown County. Following the discussion, we will assess students' knowledge of these areas during this take-off of the popular TV game show, Jeopardy. This takes about 45 minutes.

### How Long Does Trash Last?

We begin with a discussion about recycling and what it means to decompose. As a whole class, students are each given an item of *clean* trash and we put the items in order from the least amount of time to the longest amount of time it will take the items to decompose. We also discuss why this is important in relation to landfills and littering. This takes about 40 minutes.

### Magazine Beads

Students engage in a discussion about recycling and the 3 Rs. We discuss why recycling is important and how to recycle in Brown County. We then talk about reusing items and how it is beneficial to do so. This is followed by students reusing magazines in order to create beads. Students will be able to keep their beads! This takes about 40 minutes.



#### Ohio's New Learning Standards

- *Students develop their understanding of the relationship between markets and available resources.*
- *Students observe and ask questions about the natural environment.*
- *Interactions with Ecosystems.*