



Solid Waste Reduction

Education Programs



1101 Manchester Avenue, Wabash, IN 46992
www.slashthetrash.com

Introduction

The Education Partnership offers a variety of programming options to assist educators in accomplishing their curricular goals. Each activity is grade level appropriate and has been aligned with the Indiana Academic Standards in all disciplines. Activities are administered by trained staff and are designed to encourage students to work together, share ideas, explore possibilities, use instruments, and solve problems.

Scheduling

To schedule a program, e-mail Annie Baker at ADBaker@Manchester.edu or call the District office at 260-563-7649. Please allow at least 3-4 weeks lead time in scheduling your program. When scheduling a program, please make the following information available:

- Type of program desired
- School and teacher name
- Daytime phone number and e-mail address
- Approximate number of students and adults
- Program date and time, and at least one alternate

The Education Partners will generally confirm a program date by phone or e-mail within two days of the initial contact, followed by a written reminder one week prior to our visit. Programs sponsored by the District are provided to Wabash County schools at no cost to the school district.

Program Highlights



All activities are aligned with **The Indiana Academic Standards** for all disciplines, at all grade levels.



New Science presentations are being developed using philosophies and resources from **Project 2061**, a long-term initiative of the American Association for the Advancement of Science.



Presentations are designed to enhance student performance on **Standards-based assessment** (ISTEP+) in science, math, and technology.



Education workshops are available to public, private, and home schoolteachers, education coordinators, curriculum directors, and area businesses/organizations.

The Education Partnership

The Wabash County Solid Waste Management District is a unit of local government, a county agency, staffed by Steve Johnson - Executive Director, and Judi Wise-Assistant Director. The District's purpose is to help Wabash County businesses, industries, schools, organizations, and individuals reduce solid waste. This is accomplished through recycling programs, education, technical assistance and financial aid.

Manchester College is, a four-year accredited liberal arts college, located in North Manchester Indiana. The school has a strong science department including a highly developed Environmental Studies program. Koinonia Environmental and Retreat Center, a 100-acre site owned and operated by the college, is a nature center providing environmental study opportunities for college and local school students. Rainn MacPhail is the Director of the facility, which employs Annie Baker and Melinda Sweeten as environmental education specialists. Koinonia also offers excellent educational resources for learning about solid waste issues.

The Wabash County Solid Waste Management District recognized the need to enlist professional educators for environmental education planning and implementation. The Partnership was created in 1998 to develop, expand, and refine District public education programs aimed at reducing solid waste. The education specialists bring a blend of cooperative enthusiasm, creativity, teaching experience, technical knowledge and networking ability to all partnership projects. The development of school activities, illustrating five major focuses of solid waste reduction education aligned with the Indiana Academic Standards, is a result of the synergy.

PRESENTATION GRID	Pre K	Kinder- garten	First	Second	Third	Fourth	Fifth	Sixth	Sixth to High School	Seventh to High School	Seventh to Adult	For All Ages
Worms	X											
R R Roundup	X											
Puppet Workshop	X	X	X	X	X	X	X	X				
Penelope Popcan's Journey		X										
Don't Miss the Boat			X									
Trashy Tunes				X								
Words of Warning					X							
Trash Sort						X						
Smart Solutions							X					
Worm Composting								X				
Buy Recycled									X			
Source Reduction										X		
Packaging Nets											X	
Polymers and Plastics											X	
Environmental Jeopardy							X	X	X	X	X	X
Recycle Town			X	X	X	X	X	X	X	X	X	X

Presentation Descriptions

Worms

Explanation: They wiggle, they squiggle...we aren't talking about preschoolers. We're talking about WORMS!!! This classroom presentation is packed with fun as students are introduced to nature's best recyclers. Education Partners use a puppet riddle, story, and live worms to stimulate the children's interest in worms and nature.

Grade Level: Preschool

Presentation Length: 20 – 30 minutes



R. R. Roundup

Explanation: Understand the difference between recycling and reusing through this interactive, hands-on waste reduction activity. Students learn what recycles in Wabash County, hear a story about reuse, and then go on a *Recycling and reuse roundup!* A special recycling box for each classroom will be constructed during this activity. Listening skills and creativity are emphasized during this presentation.

Grade Level: Preschool

Presentation Length: 30 minutes

Penelope Popcan's Journey

Explanation: Enjoy the original story of Penelope Popcan's Journey, illustrated by recyclable items costumed as the story characters, and performed by our Education Partners. A lively review of the materials follows in the form of the *Over-Under-Relay!*

Grade Level: Preschool – 1st

Presentation Length: 30 minutes



Don't Miss the Boat

Explanation: Listen to the original story of *Don't Miss the B.O.A. T.* featuring Baxter Battery, Oscar Oil, Alvin Appliance, and Toby Tire! After the story, play a musical "hot potato" sorting game. During the presentation, students will review what recycles in Wabash County and be introduced to "special recyclables" as they learn what B. O. A. T. stands for!

Grade Level: Preschool – 1st

Presentation Length: 30 minutes



Puppet Workshop

Explanation: Demonstrate creative ideas for reuse by making puppets of materials that may otherwise be thrown away.

Grade Level: Preschool – 5th

Presentation Length: 30 – 40 minutes



Trashy Tunes

Explanation: Students learn about reuse as they create musical instruments out of items commonly thrown in the trash. At the close of the activity, students play their instruments and sing, "REUSE".

Grade Level: 1st – 3rd

Presentation Length: 30 minutes

Words of Warning **CAUTION**

Explanation: Learn *Household Hazardous Waste* signal words and their meanings and search for those words on product labels. Safe alternatives are discussed. This presentation ends with a dramatic game of charades!

Grade Level: 2nd and 3rd

Presentation Length: 30 minutes

TRASH SORT

Explanation: Plastics? Paper? Aluminum? Find out what recycles in Wabash County and how to properly prepare containers to be recycled. This basic recycling presentation will help answer questions and eliminate misconceptions in regard to Wabash County recycling.

Grade Level: 3rd – 6th

Presentation Length: 30 minutes

Smart Solutions

Explanation: Brainstorm reuse ideas for several products that might otherwise be headed to the landfill. Work in groups to create a reuse model for a product that might be useful to our society twenty years from now!

Grade Level: 4th – 6th

Presentation Length: 30 minutes



Worm Composting

Explanation: “Dig” into a live worm compost bin! Meet *nature’s best recyclers* up close and personal! Learn basic worm anatomy, how to create your own personal worm bin, and composting basics during this fascinating presentation. Ask the Education Partners to bring microscopes along with them to enhance this presentation! Students can examine the entire compost community and uncover microscopic mysteries with the addition of this activity!

Grade Level: 3rd – 6th

Presentation Length: 25 minutes without microscopes and 35 minutes with microscope

Buy Recycled

Explanation: Discover the many useful products that are created from items that have been recycled. t-shirts and carpet made from plastic soda bottles, dog bones from recycled tires... Take our quiz and receive recycled-content prizes! Discover what it means to “close the loop”.

Grade Level: 6th – High School

Presentation Length: 30 - 50 minutes

Source Reduction



Explanation: Learn the meaning and importance of source reduction. How well do you and your students reduce trash at its source? Participate in a “shopping” activity and play *Recycle Bingo* to review general waste reduction information.

Grade Level: 7th – High School

Presentation Length: 30 minutes

Packaging Nets

Explanation: Raise the awareness level of young consumers about the amount of packaging waste and its effects on the environment and our society. Identify waste reduction and challenges through project design, build and market a net. Provide alternate packaging choices. Encourage technology-based science discovery.

Grade Level: 7th – Adult

Presentation Length: Two 50-minute time slots

Polymers and Plastic

Explanation: A hands-on polymer activity designed to teach about the science of recycling plastics. A look at where plastics come from, some of the recycling problems we need to solve, and our uses for plastics. Encourages technology-based science discovery.

Grade Level: 7th – Adult

Presentation Length: 50 minutes



Recycle Town

Explanation: Recycle Town is a portable, interactive hands-on recycling education tool ready to come to your school! Students experience first hand the various stages of recycling from sorting items in “their home” to “shopping” for recycled content items as they move through the town! *Recycle Town* was made possible through a grant from NAPCOR. This presentation is great for groups of all ages!

Grade Level: All ages

Presentation Length: 40 minutes



Environmental Jeopardy

Explanation: Tests students' and adults' environmental knowledge and encourage sustainable lifestyles through use of a Jeopardy-style game

Grade Level: 5th grade to adult

Presentation Length: 40 minutes

Contact us: mksweeten@manchester.edu