



Mark your calendar

The Hendricks County Solid Waste Management District will hold its last two Tox-Away Days of the year on:

- Saturday, September 15, from 8 a.m. to 1 p.m., at the Hendricks County 4-H Fairgrounds
- Saturday, October 20, from 8 a.m. to 1 p.m., at Plainfield Middle School

But don't worry; Tox-Away Days will be back in April 2019! To learn more about accepted items and fees, visit www.HendricksSolidWaste.com.

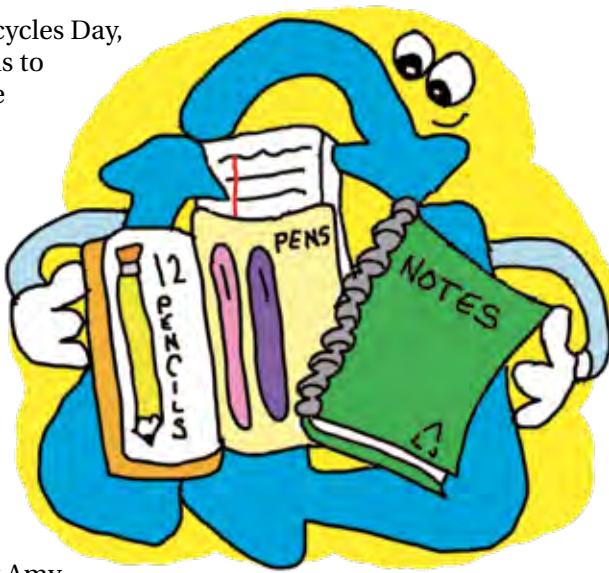


Reduce, reuse, recycle, and ROCK OUT! The Dumpster Drummers entertained visitors at the Hendricks County 4-H Fair in July.

Schools needed for waste study

To celebrate America Recycles Day, we are looking for schools to volunteer for a free waste audit during the week of November 14–18, 2018.

During the audit, we will examine waste from different areas of your building. We will then work with your school to come up with a plan to reduce waste through reuse and recycling. Participating school teams will be recognized by the District. To learn more or to sign up, ask your principal to contact Amy Sieferman at asieferman@HendricksSolidWaste.com or 317-858-6070.



America recycles. I recycle. Do you?

Every day, people across America recycle. We hope that you are one of those people. Did you recycle yesterday? Have you recycled yet today?

Each year, recycling keeps more than one-third of our nation's trash out of landfills. When we recycle, we save energy, conserve natural resources, and create jobs. When we landfill, we put a lot of good resources to waste.

When you and your family recycle, you make a simple choice that makes a big difference. For example, recycling just one aluminum pop can saves enough electricity to power a flat-screen TV for three hours.

This fall, we'll celebrate America Recycles Day on November 15. America Recycles Day is all about celebrating everything good about recycling while making it bigger and better.

What will you do this America Recycles Day? Will you learn exactly what can be recycled where you live? Will you recycle at school? Will you talk to your parents and neighbors about recycling? How might you creatively promote recycling on social media? It's simple to start the conversation; just say, "I recycle. Do you?"

If you need information about local recycling programs, we can help. To learn more, visit our website, www.HendricksSolidWaste.com.

Learn more about America Recycles Day at www.AmericaRecyclesDay.org. You can pledge your support for recycling when you visit their website, too!



Count me in!

I want to pledge my support for America Recycles Day on November 15!

- I pledge to begin reducing, reusing, and recycling.
- I pledge to improve my efforts by reducing, reusing, and recycling more.

Please enter me in the random drawing to win a waste-free lunch kit!

Name _____

School _____ Grade _____

Home Address _____

City _____ State _____ ZIP _____

Telephone _____

- Check here if you are under the age of 18.

Return your form to:

America Recycles Day Contest
Hendricks County Solid Waste Management
District
104 E. Main Street
Brownsburg, IN 46112



Entries must be received by November 15, 2018.

Your name and address will be kept confidential. You will not be contacted unless you are a winner. No purchase necessary. One entry per person.

TIME after TIME

A time capsule is a container that holds articles from a certain place and time. Time capsules are usually buried or built into a sealed place to be opened much later. They are meant to show people in the future what life was like at the time they were buried.

At Lincoln Elementary School, a time capsule was dug up next to the school playground. The objects inside were clues to the year the time capsule was buried. The students at Lincoln School found and counted these objects:

- 1,000 Bottle Caps
- 601 Aluminum Cans
- 23 Newspapers
- 373 Plastic Lego Bricks

Add the number of objects. The total number of objects will give you the year the time capsule was buried but not the reason. The time capsule was buried to celebrate the first year that people all across America celebrated the importance of recycling and buying recycled-content products.

What was the year?
What was the event that was being celebrated?

PUZZLING CLUES

The students in Mr. Chen's class are selling vermicompost (worm compost) as a school fundraiser. Use the clues to figure out how many bags of vermicompost each student sold.

Clues:

- Lily sold five bags more than Jack.
- Jack sold twice as many bags as Santiago.
- Sara sold five bags less than Santiago.
- Jack sold four times as many bags as Sara.
- Santiago sold 10 bags.

Questions:

- Which clue did you use first?
- Was there any clue you didn't need?
- Who sold the most bags?
- Who sold the least bags?
- How many bags did each person sell?

PREDICTING PATTERNS

You won't need a crystal ball to find out how much glass is recycled in the U.S. Find the answer by looking for the patterns. For each number given, **find the next highest number** in which:

Column A:

Every digit is the same.
(examples: 33; 555; 9,999)

Column B:

Each digit grows greater by one.
(examples: 89; 234; 4,567)

We've done the first one for you.

Add all 14 of the answers in columns A and B to find the number of tons of glass recycled each day in the US.

Number	A	B
9	11	12
39		
52		
68		
100		
399		
3,112		

runaway run-ons

Read each run-on sentence. Fix it in two ways: write two simple sentences, and write one compound sentence.

1. The America Recycles Day party will be held on November 15 Mr. Gregor's class will plan the party.

2. Jacob, Isabella, and Sofia are planning games for the party they asked their classmates for ideas.

3. The class is collecting cereal boxes they only want flattened, empty boxes.

4. Evan gathered old magazines and colored paper Zoe got scissors and glue.

5. Noah wrote a short story about recycling a poster for the party was drawn by Aiden.

6. There will be game and craft stations at the party four students at a time may be at each station.

7. Use the computer to make signs for each station set the signs on the tables.

BURIED TREASURE?

The experiment below will help you understand how trash can decompose, or break down, in different places. To complete this experiment, you will need four apple cores, two plastic bags, three colanders, three bricks or heavy objects, a shovel or digging device, gloves, and an outdoor area with soil.

Instructions:

- Place two of the apple cores inside plastic bags. Make sure the bags are sealed tightly so that no air can get in or out.
- Place one bag inside where it can be easily observed.
- Take the other bag outside and bury it under an inch or two of soil.
- Place a colander over the buried bag to prevent animals from getting to the apple. Place a brick or heavy object on top of the colander.
- Take the remaining two apple cores outside as well.
- Bury one core an inch or two under the surface. Leave the other sitting on top of the soil.
- Place a colander and heavy object over each apple without a bag to keep animals out.
- Wait for a week or two, then uncover and observe the apples. Be sure to use gloves when picking up or handling the apples.
- Answer these questions in your log:

How much did each apple decompose (rot or break down)?
Did some apples decompose more than others?
If so, which ones?

Questions:

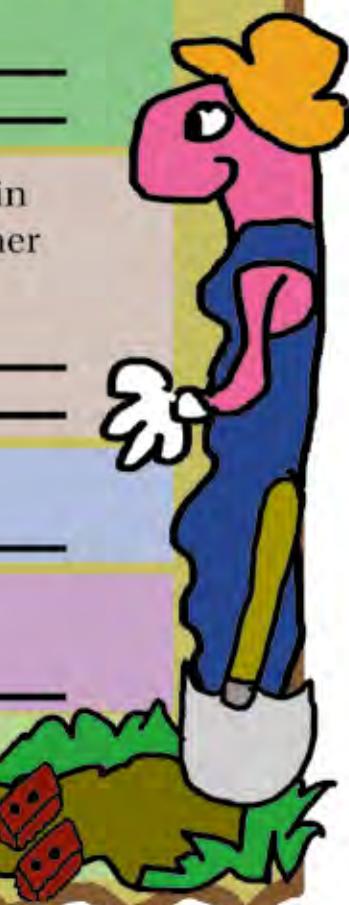
1. Which of the apple cores do you think would be most like a bag of trash in a landfill? Why?

2. Did the apple core that is most like a bag of trash in a landfill break down faster or slower than the other apple cores?

3. What does this tell you about landfills?

4. Which apple core broke down the fastest? Why?

5. What environmentally friendly method for getting rid of trash does this seem like?



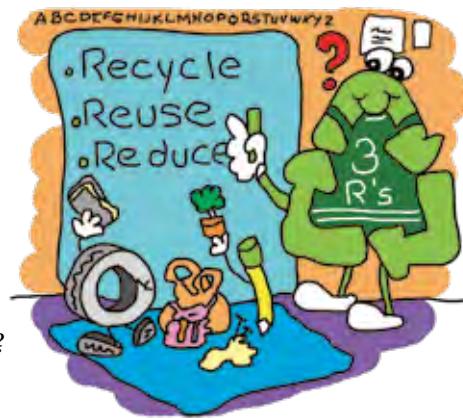
Get the scoop!

Need facts about recycling? We've got them! We have a lot of fun, hands-on presentations on reducing, reusing, recycling, composting, and more. We can visit classrooms, as well as scout troops, clubs, after-school programs, and other youth groups.

As always, our Educator provides hands-on programs for students in grades K-12 on many environmental themes.

Programs for fourth graders include:

- Reduce, Reuse, Recycle, and Rethink
- Worms Are Still Eating My Garbage
- Garbage Pizookie
- Basketball STEM Challenge
- How Do They Do That?
- Packaging and Materials Engineering
- OOBLECK!
- Who Polluted White Lick Creek?
- Dejunk Your Lunch!
- Enviro-Survivor
- Not Just Any Snow... (winter months only)



Teachers will find more information at <https://sites.google.com/site/enviromentaleducator/home>.

If your teacher, principal, or club leader would like more information, please ask one of them to contact Amy Sieferman at asieferman@HendricksSolidWaste.com or 317-858-6070. Contact us early; the schedule fills quickly.

If your class or club is too busy for a presentation, we have plenty of resources that you can borrow. We have books and videos on reusing, recycling, waste reduction, hazardous materials, environmental jobs, water quality, soils, getting outside, and environmental heroes. For a full listing of available titles, check out the resources section at <https://sites.google.com/site/enviromentaleducator/home>. Classrooms can borrow materials for up to one month.

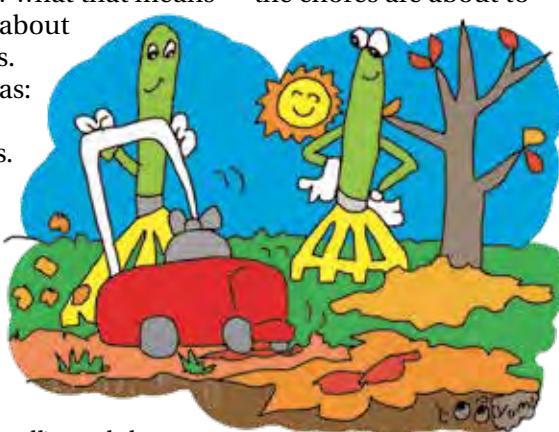
Students are welcome to check out materials from our Environmental Lending Library too! We have both fiction and nonfiction books for all grade levels. Stop by the office at 104 E. Main Street in Brownsburg to check them out!

Autumn “re-leaf”

The leaves will soon turn yellow, orange, and red. After school, the air will be crisp and cool. You know what that means — the chores are about to begin! Talk to your parents about reusing your autumn leaves.

Here are some “re-leaf” ideas:

- Make a pile and jump into it with your friends. Remember to record your good memories by taking pictures.
- Save some of the most colorful leaves, press them between sheets of paper (waxed paper and parchment paper from the kitchen work well), and then press the paper between heavy books or bricks.
- Using a mulching mower, shred leaves and let them stay on the grass.



The shredded leaves will provide winter cover to protect grass roots and soil and will decay by spring. If you have a lot of leaves, you'll need to mow often during the weeks when the most leaves fall.

- Use your family's mower to create leaf mulch. Simply attach the bagger and collect the leaves. Your mower will shred the leaves as it picks them up, creating great mulch. Put the leaf mulch on your garden or flower beds, around trees, or on paths. Leaf mulch will help keep moisture in the soil, where plants will be able to use it next spring.
- Pick up shredded leaves with the mower or rake up whole leaves and add them to your compost bin.
- After you've mulched and composted your leaves, you might have a few bags left over. You can recycle the extras at the Hendricks County Solid Waste Management District's two Yard Waste Recycling sites. The Brownsburg site, located at 90 Mardale Drive, is open from 7 a.m. to 5 p.m. on Tuesday, Friday, and Saturday. The Plainfield site, located at 7020 South County Road 875 East, is open from 7 a.m. to 5 p.m. on Monday, Friday, and Saturday. Fees are charged at each site.

Whoa! Matches and leaves don't mix!

Smell burning leaves? Are your eyes watering? Are you coughing? Leaf burning releases harmful pollutants into the air. In fact, smoke from just 5 pounds of burning leaves creates a full pound of pollution. Leaf burning can create health hazards for children, the elderly, and people with breathing difficulties, such as asthma. A burning leaf pile can also start a larger fire, putting nearby properties at risk. Be a good neighbor — don't burn your leaves!



Recycle to win

Recycle-Bowl is a fun, friendly, and free contest for schools to encourage recycling. Whether your school has an existing recycling program or is just getting started, Recycle-Bowl is a great way to get students and teachers excited and grow your recycling program.



The Recycle-Bowl competition is open to all elementary, middle, and high schools. Public, private, and charter schools are eligible. Schools that take part in Recycle-Bowl will track and report how much material they collect during the one-month contest period. Schools may compete for national prizes.

The contest takes place this fall. The deadline for entry is October 12. The competition runs from October 15 through November 15. Final reports are due in mid-December.

To learn more and to register, visit www.recycle-bowl.org.

Funded by the Hendricks County Solid Waste Management District



HENDRICKS COUNTY SOLID WASTE MANAGEMENT DISTRICT

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