

The Ugly Duckling's Journey to "Away"

TEACHER KEY FOR GRADES 3-5

*Thank you for inviting Stages Productions to your school to present
The Ugly Duckling's Journey to "Away"!*

Use the activity sheet to reinforce the conservation message in the play. The main idea is that solid waste (trash) doesn't magically disappear when you throw it "away"; so we should minimize trash with the 3Rs—reduce, reuse, and recycle.

GO AWAY (page 1)

Discuss with your students where their trash goes—to the Solid Waste facility to be burned or buried. If you have time, consider taking your class to the Solid Waste facility for a free tour. Bus transportation is provided to and from your school, plus a tour guide and teacher guide. It's a fun and educational experience!

WHAT ARE THE 3RS (page 1)

REDUCE (use less stuff)

REUSE (use stuff again)

RECYCLE (use old stuff to make new stuff)

In the play, Father Duck thinks the 3Rs are for "resting, relaxing, and recess" but our 3Rs refer to minimizing trash. See how many examples the students can come up with. Here's a few:

Reduce =

- buy only what you need
- avoid disposable item such as plastic forks
- avoid packaging such as choosing a bar of soap instead of liquid soap in a plastic bottle
- buy in bulk (large quantities) when possible

Reuse =

- share magazines with friends
- take a lunch box with reusable containers
- donate unwanted items such as clothes
- fix broken items
- borrow or share seldom used items

Recycle = turn trash into treasure

- the Ugly Duckling said, "The can of soda I drink today could be the bike I ride tomorrow!"
- many items can be recycled including cans, bottles, paper, cardboard, and yard trimmings

BREAK THE CODE (page 1)

ANSWER = Think before you throw!

NAME THAT RECYCLE GUY (page 2)

ANSWERS:

2. aluminum cans (soda, juice)
3. mixed paper (notebook papers, folders, empty food boxes, mail, office papers, colored papers, sticky notes, etc.)
4. cardboard boxes (mailing box, appliance box, presents from out-of-state relatives, etc.)
5. steel cans (soup, vegetables, fruits)
6. glass bottles (ice tea, beer, apple juice)

FIND WORDS IN A WORD (page 2)

There are many words within CONSERVATION.

Here is a small sampling:

avert, cane, canter, coat, coin, cone, cost, cot, crate, in, it, nation, not, note, on, race, rain, rat, rate, sea, seat, sent, son, stir, stone, store, strive, tan, tar, tear, tin, ton, torn, vain, vase, vast, vest, vocation

DESIGN A BILLBOARD (page 2)

Students will likely come up with a wide variety of creative slogans about recycling.

TRASHY MATCHING GAME (page 4)

ANSWERS

A = 6	F = 9
B = 7	G = 8
C = 2	H = 3
D = 1	I = 4
E = 5	All add to 15

DISCUSSION POINTS

1. *How is paper recycled?*
Collect, bale, shred, wash, mix with water, clean, screen, flatten, and send to a factory to make new products (visit www.paperrecycles.org).
2. *How do you know what types of paper can be recycled?*
Use the tear test (that's "tear" as in "rip", not as in "cry"). You can recycle any clean dry paper item that tears. Items that are wax-coated such as milk cartons don't tear easily and cannot be recycled locally. Paperboard items such as cereal boxes are easy to tear and may be recycled.
3. *What's the difference between aluminum and steel cans?*
Food usually comes in steel cans, and drinks come in aluminum cans. Also, steel cans are heavier (see how the Recycle Guy is flexing his muscles) than aluminum cans which you can crush with your hand. Steel cans stick to a magnet; aluminum does not.
4. *What's the difference between cardboard and paperboard?*
Cardboard has three layers (including a wavy middle layer). Paperboard items (such as empty cereal boxes, shoe boxes, paper towel rolls, etc.) have just one layer. Many people are surprised to learn that they can recycle paperboard items with mixed paper.
5. *What does the recycling symbol stand for?*
The chasing arrows symbolize the endless cycle of recycling. The three arrows stand for the three parts of the cycle: collect, process, and buy. The recycle logo at the bottom of

page 4 shows that the activity sheet is printed on recycled paper.

ADDITIONAL ACTIVITIES

The following items have been provided to your students to supplement the "Ugly Duckling" production:

- Proud to Recycle pocket folder (including a word scramble, pledge, and fun fact questions)
- Activity Sheet for grades 3-5
- Recycling Activity Book
- Just for Kids bookmark (Check out the site listed www.pinellascounty.org/utilities/kids to find our Web site for elementary students with fun games, puzzles, and songs related to conservation).

FOLLOW-UP

For information on the following options, visit "Just for Teachers" at www.pinellascounty.org/utilities/teachers.

1. TOUR: Take a free tour of Solid Waste Operations including the Waste-to-Energy facility and landfill. Free bus transportation to and from your school is included.
2. VIDEO: Watch the entertaining 13-minute DVD "No Such Place As Away" for a virtual tour of our Solid Waste Operations facility.
3. SPEAKER: Invite a trained speaker from Pinellas County Utilities to talk to your class.
4. NEWSLETTER: Use *One Person's Trash* newsletter as a classroom activity. There is an accompanying teacher guide including Sunshine State Standards.

SUNSHINE STATE STANDARDS

LANGUAGE ARTS / READING

Vocabulary Development

LA.3-5.1.6.1 - use new vocabulary that is introduced and taught directly.

LA.3-5.1.6.5 - relate new vocabulary to prior knowledge

Literary Analysis - Nonfiction

LA.3-5.2.2.2 - use information from the text to answer questions.

Writing Applications - Informative

LA.3-5.4.2.1 - write in a variety of informational/expository forms.

Writing Applications - Persuasive

LA.3-5.4.3.1 - write persuasive text ("Design a Billboard" activity)

Information - Informational Text

LA.3-5.6.1.1 - read informational text and organize information to perform a task.

SCIENCE

Big Idea 17: Interdependence

SC.4.L.17.4 - Recognize ways that plants and animals, including humans, can impact the environment.

SOCIAL STUDIES

SS.B.2.2.3 - Understand how human activity affects the physical environment.

VISUAL ARTS

VA.A.1.2.1: Uses visual art media and techniques.

VA.B.1.2: Uses visual art to communicate ideas.