

TEACHER GUIDE

Trash Talk!

TO: Teachers

FROM: Johnson County Solid Waste Management District
755 E. Hamilton Avenue • Franklin, Indiana 46131
317-738-2546 • kim.schafstall@embarqmail.com • www.recyclejohnsoncounty.org

DATE: Spring 2009

It's almost Earth Day! In this edition of *Trash Talk!*, we've included lots of earth-friendly ideas, such as recycling more and picking up litter.

This Teacher Guide supplements *Trash Talk!* by giving extension ideas, as well as by listing specific activities, subject areas covered, and skills addressed inside the newsletter. Journal and reuse ideas can be quickly implemented as daily work supplements to the proficiencies that you teach every day. You'll also find teacher keys for the *Trash Talk!* activities.

Activity	Subject Areas	Skills Addressed
"Weighing In"	<i>Math</i> <i>Science</i> <i>Social Studies</i>	Adding decimals; Employing estimating strategies; Comparing numbers Comparing values by accurately reading a table; Analyzing and manipulating data to find patterns or draw conclusions Using data to make inferences about consumer behavior
"Affix the Prefix"	<i>Language Arts</i>	Completing sentences using sentence and word context and knowledge of prefixes
"Boxing Up Memories"	<i>Art</i>	Using art media and techniques to communicate ideas
"On Average"	<i>Math</i>	Organizing simple data set to answer a question; Calculating average using weights
"As Simple As a Simile"	<i>Language Arts</i>	Constructing similes; Writing using figurative language and varied word choices
"Logically Speaking!"	<i>Math</i>	Employing critical thinking skills to analyze a problem by identifying relationships and then sequencing and prioritizing information

Please continue to send us your suggestions. We love hearing your great ideas for future issues.

Reuse Ideas

Math

- Using the data found in the table in “Weighing In,” create a bar graph showing Cameron’s family recycling. Create a second bar graph comparing all four families’ recycling of aluminum cans.
- Using the data found in “Weighing In,” if there are four people in each student’s family, how many pounds of newspaper did each student recycle? (Hint: Divide by 4.)
- Highlight a phone number, a street address number, a time (hour, day, month, or year), and a ZIP code on the outside pages of *Trash Talk!*

Language Arts

- Correct the following sentences:
Sierras famuly recycled moor aluminum cans?
- Using the letters in the word “newspapers,” create as many words as you can think of. (“new,” “paper,” “pen,” etc.)
- Choose five of the prefixes found in “Affix the Prefix.” Using those prefixes, write down two words that contain each. (For instance, “over” could be used for “overcooked” and “overboard.”)
- Write these words in **ABC** (alphabetical) order:
dislodge discard discuss decorate downtown

Analogies

- student : class :: _____ : family
- sports drink : bottle :: peanut butter : _____

Social Studies/Geography

- What park is located closest to your home? To your school?
- At a paper manufacturing plant, recyclable paper would be considered which of the following?
trash raw material fuel

Journal Writing Prompts

- Write a paragraph about your favorite thing to do on a nice spring day.
- List three ways that your family could use fewer recyclable water bottles.
- What is your favorite holiday? Why?
- Write lyrics for a hip-hop song about Earth Day. Remember to use creative rhymes!
- What is the best book you’ve read this school year? Write a five-sentence summary.

A Compound Workout

Give your students a compound workout with the attached blackline master. Copy the master and give one to each student. Challenge them to get from the top left to the bottom right corner by joining words to create compound words. Students may need to use the dictionary because some of the compound words could be unfamiliar to them.

NAME: _____

A Compound Workout

Begin at the top left corner and move toward the bottom right corner. You may move up, down, left, or right (but *not* diagonally). To move forward, you must create compound words. (For example, you could move from “no” to “where” to create “nowhere.” However, you could not move from “where” to “no,” because “wherenno” isn’t a word!) Some of these words may be unfamiliar to you. If you are unsure, use the dictionary.



paper	things	no	where	spread	sheet	rock	what
back	stage	on	wave	bed	tooth	hounds	pen
use	hand	mouth	up	stream	pick	top	mast
up	shake	milk	lay	prom	up	hill	head
side	think	walk	way	call	dog	when	line
kick	off	side	true	roll	spare	away	man
tool	mine	with	one	away	howl	can	power
water	while	noon	after	how	ever	jar	house



Teacher Keys

On Average

$(65 + 26) \div (23 + 2 + 1) = 3.5$ pounds per person

As Simple As a Simile

Answers will vary

Logically Speaking

Tuesday



Weighing In

1. Newspapers? Sierra's family
Aluminum Cans? Ambar's family
Plastic Bottles? Ambar's family
2. Magazines & Catalogs? Alejandro's family
Steel Cans? Cameron's family
Glass Jars? Ambar's family
3. 887.5 pounds
4. 71.8 pounds
5. 400.9 pounds
6. Sierra's family (458.6 pounds)
7. Alejandro's family (358.7 pounds)
8. Answers will vary. Possible answers may include: They don't drink as many soft drinks, sports drinks, and bottled water as the other families. They consume the drinks away from home (such as at sporting events) and recycle or dispose of them there. They throw them away.
9. Answers will vary. Possible answers may include: They don't subscribe to as many newspapers or receive papers less frequently (such as the weekend-only edition). They share their newspapers with relatives or neighbors. They reuse the papers to line pet cages or as packing or wrapping paper. They shred and compost their newspaper.



Affix the Prefix

1. **recycling**
2. **overlook**
3. **inside**
4. **onto**
5. **removed**
6. **commingled**
7. **prepare**
8. **dislodged**
9. **semitucks**

