

TEACHER GUIDE

Trash Talk!

TO: Teachers

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It's hard to believe that summer is over and we are already well into a new school year! We hope that your year is off to a good start. In this edition of *Trash Talk!*, we look at ways your students can improve the environment by recycling and composting.

Inside this Teacher Guide, we have provided ideas to “reuse” the newsletter for daily instruction, journal writing prompts for students, and an extension activity. For your convenience, you will find Teacher Keys as well.

Below, refer to this issue's activities and the corresponding subject areas and skills addressed. We provide this information so that you can incorporate *Trash Talk!* into your daily curriculum.

Activity	Subject Areas	Skills Addressed
What Would You Do?	<i>Social Studies</i>	Comparing benefits and costs in making decisions as consumers and producers; Evaluating environmental choices; Identifying actions that illustrate “civic virtues,” such as civility, cooperation, respect, self-control, and responsible participation
Order! Order!	<i>Language Arts</i>	Determining correct chronology in a written text; Identifying transitional words and phrases that manage the sequence of events
Get a Clue!	<i>Math</i>	Using arithmetic operations to solve word problems involving intervals of time; Employing logical reasoning skills
Answered & Asked	<i>Science</i>	Understanding that organisms are dying and decaying and new organisms are being produced by the old ones
Sum It Up	<i>Math</i>	Solving a two-step word problem; Dividing with whole numbers; Using factor pairs for whole numbers up to 100
Comma Confusion	<i>Language Arts</i>	Identifying correct and incorrect usage of punctuation in writing
Turn Back Time	<i>Social Studies</i>	Interpreting the temporal relationship between an event with a fixed historical date and a timeline of other events and developments; Distinguishing fact from fiction in an informational text

Please continue to send us your suggestions. We love hearing your great ideas!

Reuse Ideas



Journal Writing Prompts

Write a paragraph using all seven of these words: *shopping, walk, bag, can, bottle, friend, and reuse.*

■
“Haste make waste.”
What does this mean?
Can you think of a situation when this saying may have applied to you or something you did?

■
Use the letters in the word *biodegradation* to make up as many words as you can. You can use the letters more than once!

■
List five items that you recycle at home or school. Is there anything you could recycle and don't? Write a sentence with your plan for recycling that item, too.

Math

- If 27.4% of material was recycled and composted and if the remainder was disposed, what percentage was disposed?
- Find the sum: 32, 40, 48, 55, 63
- Circle the numbers that are evenly divisible by 8:
8, 16, 18, 24, 28, 32, 38, 40, 48, 56, 58, 64, 68
- How many years have passed since 1997?

Language Arts

- Find five past tense verbs on the inside pages of *Trash Talk!*
- Write these words in ABC (alphabetical) order:
asked answered aluminum after
- Complete these sentences with *to* or *too*:
Sofia and Mike turned in their report _____ the teacher.
After games, _____ many bottles litter the sidelines.
Malik is _____ busy _____ finish his paper today.

Science

- Circle the item that does not belong:
biodegrade decompose debris decay
- What type of scientist would be most likely to study photosynthesis?
Geologist Archaeologist Biologist

Social Studies

- In 1997, who was the president of the United States of America? Who was speaker of the U.S. House of Representatives? In football, what team won the Super Bowl? What movie won “best picture” at the Academy Awards ceremony?
- America Recycles Day started in my state. I am also the home of the Alamo. What state am I?

Alpha Needs Your Aid!

We rely on computers, but sometimes they aren't available. Either they aren't working, the electricity is out, or they just aren't nearby. During those times, we all need to use our brains, the original supercomputer! Copy the blackline master on the next page for your students. Individually or in groups, ask them to alphabetize the email addresses listed. You may want to review some of the basic rules of alphabetizing (letter by letter, letters first, then numbers, etc.)



Teacher Keys

Sum It Up

What percentage of aluminum is recycled content in a new soft drink can?



$$8 + 16 + 20 + 24 = 68\%$$



What percentage of energy is saved when new cans are made from recycled aluminum?



$$40 + 55 = 95\%$$

Turn Back Time

D: In November, America Recycles Day topped the Twitter Trend list. (Twitter started in 2006, so there was no Twitter Trend list in 1997.)



Get a Clue!

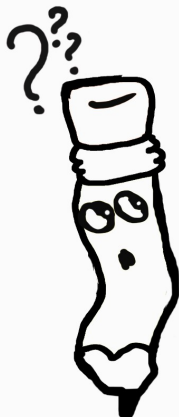
1. 2000
2. 1977
3. 1985
4. 1989
5. 1993

Answer: 1997

Bonus: America Recycles Day was celebrated for the first time in 1997.



What Would You Do?



1. B: Good
C: Better
2. A: Good
B: Better
3. A: Better
C: Good

Comma Confusion



1. N (not correct) — Hannah and her sister put grass, some leaves, and apples cores into their backyard compost pile
2. C (correct)
3. N — “Whatever you do,” said Hannah, “don’t put any cheese or meat into the pile!”
4. C

Answered & Asked

Rot is another name for biodegradation.



Order! Order!

- A. 3 — 1 — 2
- B. 3 — 2 — 1
- C. 2 — 1 — 3
- D. 1 — 3 — 2

A2: of

D1: bugs

B3: and

C1: bins

Report Title: Of Bugs And Bins