

TEACHER GUIDE

Trash Talk!

TO: Teachers

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In this edition of *Trash Talk!*, we look at ways your students can improve the environment by reducing and reusing. This is a great topic for a time of year that includes many brand-new or single-use items.

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
The Second R	<i>Language Arts</i>	Employing knowledge of synonyms and parts of speech; Following simple multi-step instructions
Changes	<i>Science</i>	Understanding properties and changes of properties in matter
Add It to Win It	<i>Math</i>	Carrying out arithmetic computations involving dollars and cents; Solving word problems
Answered & Asked	<i>Science</i>	Understanding that humans employ multiple mechanisms to extend the life of natural resources
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

Math

- After you fill in the grid in “The Second R,” tally how many squares are filled by a letter and how many are blank? What fraction of the squares are blank?
- Using your answers in “Sum It Up,” calculate the percentage of clothing and shoes recycled each year? *Hint: You'll need to divide one of the answers into the other to find the percentage.*
- Find the sum: \$13.00, \$15.75, \$14.50, \$15.00, \$15.25.
- How many years have passed since 1778?

Language Arts

- In “The Second R,” highlight all the words on the Word Chart that are nouns.
- What prefix do these words share: reuse, recycle, refurbish? What does that prefix mean?
- Write these words in ABC (alphabetical) order:
reuse refurbish repair rent resource
- Antonyms are words that have opposite meanings. Write an antonym for each of these words:
used fixed agree harm closest

Science

- Circle the item that does not belong:
carbon vinegar hydrogen oxygen
- When a bicycle sits outside, rust (iron oxide) forms. What two elements make up iron oxide? What else might rust? Is rusting always an indication of a chemical change?

Social Studies

- What year was our state admitted to the United States of America?
- What war was taking place in America in 1778?

Journal Writing Prompts

Write a thank you note to the person who prepared or hosted your Thanksgiving dinner.

Describe how your life would be different without your iPod or MP3 player.

What is the best present you ever made for someone else? Explain. Describe how giving that gift made you feel.

What would you do if a friend borrowed something from you and didn't return it?

List three things someone your age can do to reduce pollution and improve the environment. Do you do these things regularly? If not, why not?

It all adds up to a big win!

With the activity on the next page, give your students practice with mental computation and estimation strategies, as well as addition of currency. You could make this a timed activity for individuals or small groups. Copy the blackline master on the next page and give a copy to each student or group.

Each person or group will have different answers. Did anyone get to \$151.00 exactly? Have students/groups share their results. Discuss strategies that students used.



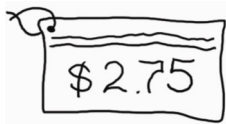
It all adds up to a big win!

Name: _____

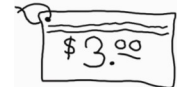
Radio station 1510 AM is inviting the weekly winners back to Thrifty Threads for the grand prize—\$151.00 worth of merchandise. The challenge is that contestants still only have 15 minutes and 10 seconds to gather their choices. Nevaeh needs your help! She needs to get as close to \$151.00 as possible without going over. Put a checkmark next to the items she should choose to win the grand prize!



Lava Lamp \$7.00	Hand Chair \$18.00
Cartoon Character Pillow \$3.95	Sweater \$4.35
Basketball Shorts \$3.50	iPod Nano \$15.25
Video Game \$7.25	Jeans \$5.00
Book \$2.00	Sweatpants \$4.25
100 Baseball Cards \$4.55	Poster \$1.10
Hoodie with Logo \$17.70	Red Hoodie \$5.00
Movie DVD \$3.50	Jacket \$6.60
Blanket with University Logo \$6.75	Computer Desk \$37.65
Cargo Shorts \$8.50	GameCube \$20.25
Shirt \$2.75	CD \$2.25
T-shirt with Team Logo \$6.85	T-shirt \$1.50



Work Space



Teacher Keys

Sum It Up

How many pounds of clothing and shoes does the average American discard each year?

$$36 + 45 = 81 \text{ pounds}$$

How many pounds of clothing and shoes does an average American recycle each year?

$$2 + 9 = 11 \text{ pounds}$$



Comma Confusion

1. N (not correct) — Jaden’s mom said, “Jaden, it’s time to clean out your closet.”
2. C (correct)
3. C
4. N — In his room, Jaden made a pile of old sneakers, T-shirts, a pair of jeans, basketball shorts, and three hoodies.



Turn Back Time

B: This ad ran in newspapers in all 25 states. (Technically, there were no “states” until the U.S. Constitution was ratified, which means there were no states at all in 1778. In any case, there were not 25 states until 1836 when Arkansas was admitted to the United States of America.)



Answered & Asked

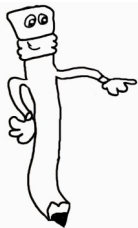


#2 Reuse “is a method that humans employ to extend the life of natural resources.”

Changes

- | | |
|-----------------|------|
| 1. P (physical) | 5. P |
| 2. C (chemical) | 6. C |
| 3. P | 7. C |
| 4. C | |

Get a Clue!



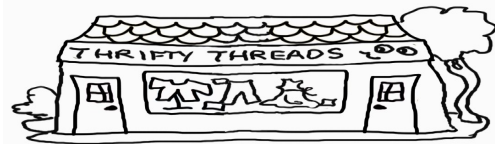
Word Chart

give	donate
fix	repair
lease	rent
trade	swap
restore	refurbish

				R	E	N	T		
			R	E	P	A	I	R	
		R	E	F	U	R	B	I	S
				S	W	A	P		
D	O	N	A	T	E				

Bonus:
The three R's are **reduce**, **reuse**, and **recycle**.

Add It to Win It



Sarah: \$13.00

Gavin: \$15.75

Luis: \$14.50

WINNER: Nevaeh: \$15.00

Autumn: \$15.25

Bonus: Thrifty Threads is a secondhand store (sometimes called a “thrift,” “consignment,” or “resale” shop). Students might also answer “used clothing store.”

