

TEACHER GUIDE

Trash Talk!

TO: Teachers

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DATE: Summer 2019

Soon your students will be headed home for the summer and you'll be taking a well-deserved break from the classroom. In this edition of *Trash Talk!*, we suggest ways to keep summer vacation from "going to waste."

Inside this Teacher Guide, we have provided ideas to reuse the newsletter for daily instruction, journal writing prompts for students, and an extension activity. On the back page, we provide information about this issue's activities so that you can incorporate *Trash Talk!* into your daily curriculum. We've noted how these activities correlate to the Washington State Learning Standards for fourth and fifth grades.

As always, we welcome your comments and suggestions. Have a great summer!

Teacher Keys for Trash Talk! Activities

Time After Time

1998

The first MP3 player was sold. This was a portable digital audio player that preceded the iPod.

Pollution Solution (Answers may vary.)

1. Pollution can be carried by water far down into the soil.
2. It can be very hard to remove pollutants from water.
3. Plants, insects, and animals that live in the soil or use it for food can be harmed by pollution. Humans eat food grown in soil, so we may be affected too.
4. Paint, car oil, household cleaners, and other hazardous or toxic chemicals

Puzzling Clues

1. B
2. E
3. Taylor's
4. Landon's
5. Julia, \$3.25; Landon, \$2.00; Lilly, \$2.50; Taylor, \$6.00

Scrambled Waste

1. household hazardous waste
2. donate
3. recycle
4. cart
5. trash

Runaway Run-Ons (Answers will vary.)

Reuse Ideas

Math

- The electronics recycling contractor arrived at 8:45 a.m. The contractor left at 3:15 p.m. How long was the contractor on site?
- Reread "Puzzling Clues." What percentage of the total cost did each person spend? Round to the nearest tenth.
- If Mrs. Hamm turned 9 in 1998, what year was she born? What birthday will she celebrate in 2019?
- If the school collected 8 pounds of reusable school supplies in each of the 18 classrooms, how many total pounds were collected?

English/Language Arts

- Write these words in ABC (alphabetical) order:
household his home have how hazardous
- Circle the word that is NOT a synonym for *proper*:
correct suitable mistaken right
- Find and circle a word that is a homophone for *sew*.
- Underline an imperative sentence in the newsletter.

Science

- Circle the item that does not belong:
paint paper bug spray motor oil
- Mosquitoes are more likely to breed in:
standing water running water
- True or False: Burning tires improves the air and makes it easier for people to breath.
- What do you think Carl Hiaasen's book *Flush* is about?

Social Studies

- Locate the public library on a map of our community.
- Draw a map from your home to the library.
- Have you been to the library? If so, how recently?
- How are public libraries funded?



Journal Writing Prompts

Write a story about a neighborhood garage sale.

List five things that you plan to do this summer. Write a sentence about each activity and include details.

If you could keep only one electronic gadget, which one would you choose? Why?

Think about the items you use every day. Write down 10 items that you regularly reuse.

Interview an older person about their memories of summer vacations from school. How were their experiences different from or similar to yours? What are their favorite memories?

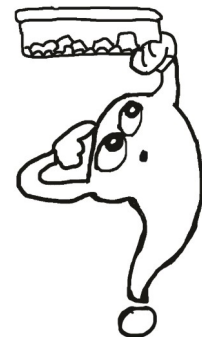
Extension Activity: Asked and Answered

Give your students some practice with math. The activity (master on the next page) can be completed as a class, in groups or pairs, or by individual students.

Solutions: 44, 26, 23, 22, 41, 12, 10, 46, 6, 6, 20, 22, 41, 46, 38

Question: What is pollution?

Answers may include: Harmful materials that contaminate the air, water, or soil; Putting something that is harmful or poisonous into the environment; Any contamination of air, soil, or water; etc.



Asked and Answered



Name: _____

Directions: Solve the math problems below. Then use the key to find the correct letters to decode the question. We solved the first problem for you. Answer the question in the space provided at the bottom of the page.

11	52	16	11	66	3
<u>x4</u>	<u>÷2</u>	<u>+7</u>	<u>x2</u>	<u>-25</u>	<u>x4</u>
<u>44</u>	_____	_____	_____	_____	_____
<u>W</u>	_____	_____	_____	_____	_____

17	23	54	15	10	16	32	38	19
<u>-7</u>	<u>x2</u>	<u>÷9</u>	<u>-9</u>	<u>x2</u>	<u>+6</u>	<u>+9</u>	<u>+8</u>	<u>x2</u>
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____?

Decoding Key

23	45	28	37	19	39	21	26	41	35	17	6	11
A	B	C	D	E	F	G	H	I	J	K	L	M
38	46	10	5	33	12	22	20	24	44	2	15	29
N	O	P	Q	R	S	T	U	V	W	X	Y	Z

Your answer:

Skills and Standards

Activity	Subject Areas	Skills Addressed
Runaway Run-ons	<i>English/ Language Arts</i>	<p>Recognizing parts of a sentence; Recognizing run-on sentences; Writing correct, complete simple sentences, compound sentences with coordinating conjunctions, and complex sentences with subordinating conjunctions; Demonstrating command of semi-colons and commas</p> <p><i>Grade 4:</i> L.4.1.F; L.4.2A.; L.4.2.C <i>Grade 5:</i> L.5.1; L.5.2</p>
Puzzling Clues	<i>Math</i>	<p>Multiplying or dividing to solve word problems involving multiplicative comparison; Making sense of problems and seeking entry points to a solution; Modeling with mathematics; Analyzing patterns and relationships; Representing and interpreting data; Reasoning abstractly and quantitatively</p> <p><i>Mathematical Practices (all grades):</i> 1, 2, 4 <i>Grade 4:</i> 4.OA.3 <i>Grade 5:</i> 5.OA</p>
Pollution Solution	<i>Science</i>	<p>Following precisely a multi-step procedure when carrying out experiments; Describing methods humans currently use to extend the use of natural resources; Studying human impacts on earth systems; Making choices that reduce impacts on the land, water, air, and other living things</p> <p><i>Grade 4:</i> 4.ESS3-3C; ; 4-ESS3-1; ESS2-2; 3-5-ETS1-1 <i>Grade 5:</i> 5-ESS3-1; 3-5-ETS1-1; 5-ESS2-1</p>
Time After Time	<i>Social Studies</i>	<p>Understanding events and developments that brought important changes; Demonstrating an understanding of civic issues; Examining ways people have tried to solve environmental problems</p> <p><i>Grade 4:</i> EALR 1 Civics – 1.4.1 <i>Grade 5:</i> EALR 1 Civics – 1.4.1</p>
	<i>Math</i>	<p>Adding whole numbers; Solving real-world problems involving addition of multi-digit whole numbers</p> <p><i>Grade 4:</i> 4.NBT.4 <i>Grade 5:</i> 5.NBT</p>
Scrambled Waste	<i>Social Studies</i>	<p>Understanding events and developments that brought important changes; Demonstrating an understanding of civic issues; Examining ways people have tried to solve environmental problems</p> <p><i>Grade 4:</i> EALR 1 Civics – 1.4.1 <i>Grade 5:</i> EALR 1 Civics – 1.4.1</p>
Outside Pages Text	<i>English/ Language Arts</i>	<p>Reading and comprehending nonfiction, informational text; Applying context clues to determine meaning of unknown words; Determining meaning of content specific words and phrases in nonfiction text</p> <p><i>Grade 4:</i> RI.4.2; RI.4.4; RI.4.7; L.4.4.A; L.4.4.C; L.4.6 <i>Grade 5:</i> RI.5.2; RI.5.4; L.5.4.A; L.5.6</p>