

The *Sounds* of **TRASH**



by Susan Evento

Mc
Graw
Hill

PAIRED
READ

Talking Underwater

STRATEGIES & SKILLS

Comprehension

Strategy: Ask and Answer Questions

Skill: Main Idea and Key Details

Vocabulary

cheered, concert, instrument, movements, music, rhythm, sounds, understand

Phonics

Long *u*: *u_e, ew, ue, u*

Vocabulary Strategy

Prefixes

Content Standards

Science

Physical Science

Word count: 454**

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**The total word count is based on words in the running text and headings only. Numerals and words in captions, labels, diagrams, charts, and sidebars are not included.

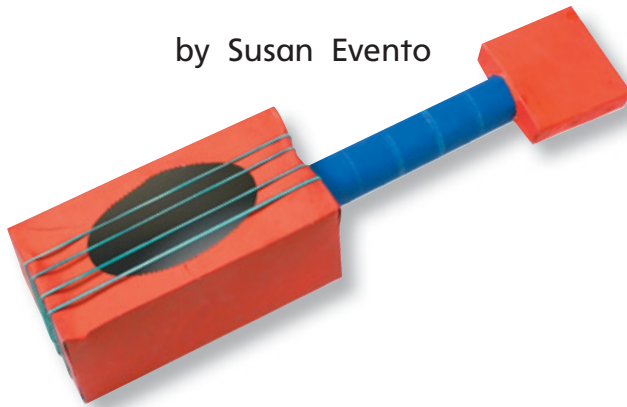


Essential Question

How do you express yourself?

The Sounds of **TRASH**

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There are many ways to share your thoughts and feelings.

Do you like to draw or paint pictures? Maybe you like to act or dance. Perhaps you like to write stories.

Some people like to sing.
Others like to play an
instrument. These are ways
to express yourself.



Some people share their thoughts
and feelings through music.



You can use "trash" to make things.

What do a water bottle and paper tube have to do with sharing your feelings? How can you use them to express yourself?

These and other things can be recycled. They can be used to make different kinds of instruments.



A bottle with some water can be an instrument.

STOP AND CHECK

How can recycled things be used to express yourself?



Here's how to make a guitar.

You Will Need:

- a box and colored paper
- a pencil
- several rubber bands



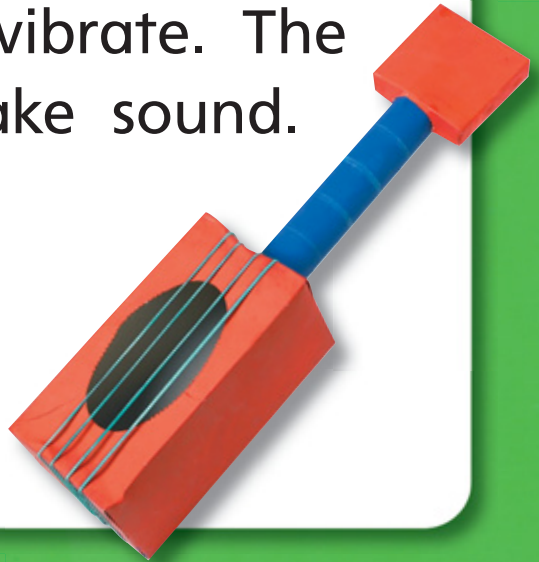
Directions:

1. With help, cut a hole in the box.
2. Decorate with paper.
3. Stretch 4 to 6 rubber bands around the box over the hole.
4. Place a pencil under the rubber bands.



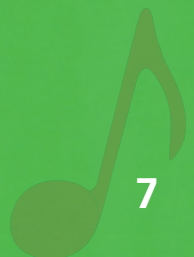
Pluck the rubber bands. You will see them move back and forth, or vibrate. The movements make sound.

Use thin and thick rubber bands to hear the different sounds they make.



STOP AND CHECK

What makes sound on a homemade guitar?





Let's make a trombone.

You Will Need:

- 2 cardboard tubes (one should fit tightly inside the other)
- paper and masking tape

Directions:

1. Make a cone of paper around one end of the larger tube. Tape it in place.
2. Place one end of the smaller tube inside the larger tube (the end without the cone).



When you buzz,
your lips vibrate.

Press your lips together.
Make a buzzing sound
inside the smaller tube.
Slide the tube back and
forth. What do you hear?

STOP AND CHECK

How can you make a
sound with your trombone?





Here's how to make maracas.

You Will Need:

- 2 small plastic bottles with tops
- beans/seeds/rice

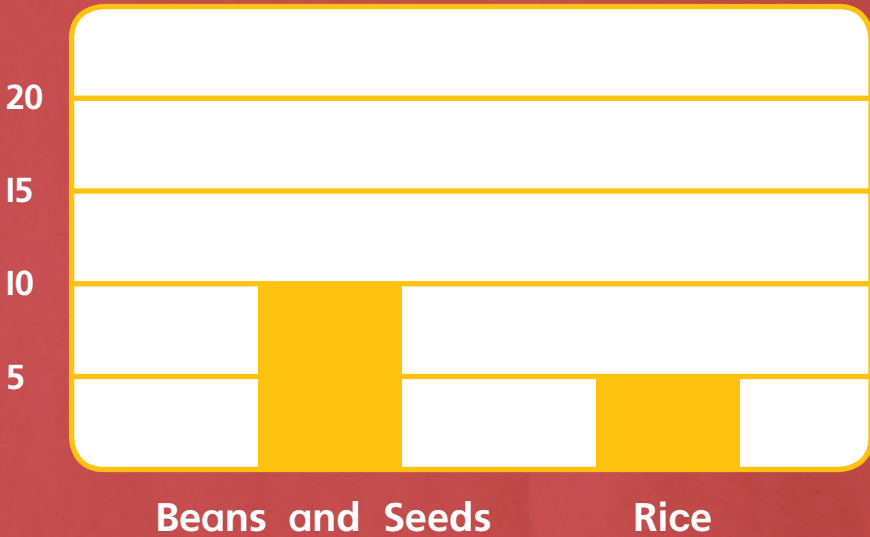
Directions:

1. Fill each bottle with beans, seeds, or rice.
2. Place the caps on tightly.



Shake the maracas. The beans, seeds, or rice will move back and forth. They will hit the inside of the bottles.

Find out how many children in Mrs. Jones's class used rice in their maracas.





Let's make drums.

You Will Need:

- 2 coffee cans with plastic lids
- a pair of chopsticks or 2 pencils
- 2 rubber bands

Directions:

1. Make sure your cans are clean. Have an adult check that the cans don't have sharp edges.
2. Join the cans with the rubber bands. Hit the cans with a pair of chopsticks or pencils.

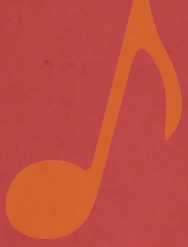


Hit the plastic side. Hit the metal side. Use the eraser end of the pencils. How are the sounds different?



(inset) David Young-Wolff/PhotoEdit

When you hit the drum, it vibrates.



Play with other kids who have made instruments. Turn on your favorite song. Play along to the music. Make your own song. Put on a concert. You will be cheered on by others.

Dance to the rhythm. Express yourself!

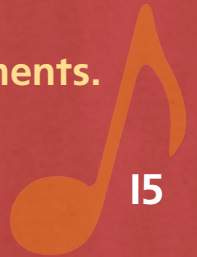
STOP AND CHECK

How do you make sounds with maracas and drums?



(inset) Steve Skjoldal/PhotoEdit

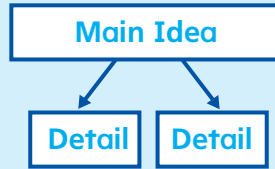
You can make and play many instruments.



Respond to Reading

Summarize

Use the chart to summarize *The Sounds of Trash*.



Text Evidence

1. Is *The Sounds of Trash* fiction or nonfiction? Why? **Genre**
2. What is the main idea of this story? **Main Idea and Key Details**
3. What is the meaning of *recycled* on page 5? **Prefixes**
4. Write about the key details on page 14. **Write About Reading**

Compare Texts

How do people communicate through sound?

Talking Underwater

Scuba divers have used hand signals and writing boards to “talk” underwater. To see the signals or writing, the divers use lights. Sometimes it is still hard to see.

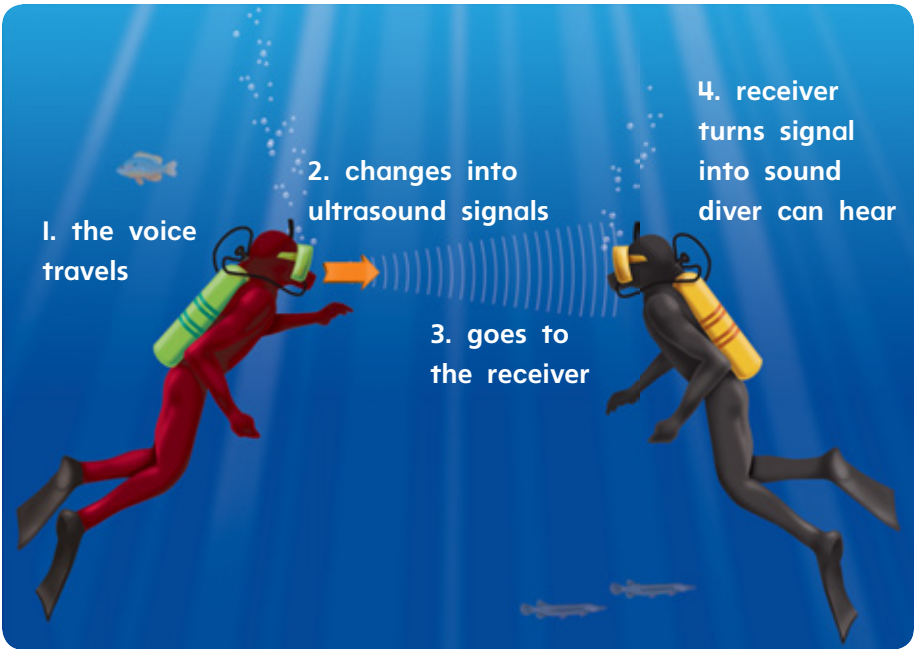
Divers need to communicate underwater to stay safe.





Sound travels through water,
but people's voices cannot.

Now scuba divers can talk
to each other underwater!
A device is attached to a
diver's face mask. It changes
the diver's voice into signals.



This is how voices travel through water.

Another diver has a receiver. It accepts the signals. It makes them into sounds that the diver can understand.



Make Connections

How can you express yourself?

Essential Question

Why is it important to express yourself? **Text to Text**

Focus on Science

Purpose To find everyday items for making instruments

What to Do

Step 1

Think about the items used in *The Sounds of Trash*. Look at how they were used to make instruments.

.....

Step 2

Think of an instrument you want to make. Work with a partner to find things you can use to make it.

Conclusion Share your instrument with the class. Explain how it makes sounds.

Thinkmark

The Topic

What did you learn how to make in *The Sounds of Trash*?

Conclusions

What is the most important thing you learned in *The Sounds of Trash*?

Make Connections

Why is it important to express yourself?