

BECOME A
WASTE
HERO

REDUCE TO ZERO



Find it, Recycle it
Level 1 Advanced Lesson



Lesson Prep & Curriculum Alignment

Lesson duration: 30-35 minutes

Students will take ownership of recycling by putting all they have learned into practice. Each day of the week, they will collect at least one PET plastic bottle at school or home to recycle. A tally will be taken each day to see how many bottles the class has collected. The lesson will kick off with a bottle hunt inside the classroom and a coloring page of a PET plastic bottle, then they will be asked to see how many bottles they can collect throughout the week and become a “Waste Hero”.



1

Display or print the “YES/NO” handout and distribute the bottle “Bottle Coloring” handout to the class.

2

Prepare a large container or recycling bin for the classroom. Something large enough to hold a week's worth of PET plastic bottles. Collect and prepare 10-20 PET plastic bottles. It is best to have students bring bottles from the cafeteria at school or from home.

3

Print and tape together the “Classroom Bottle Counter” for the board or somewhere the whole class can see.

Lesson Prep & Curriculum Alignment

Key Learning Outcomes and Curriculum Alignment:

- **Science - Earth and Human Activity:** Communicate solutions that will reduce the impact of humans on the land, water, air, and/or other living things in the local environment. Things that people do can affect the world around them. But they can make choices that reduce their impacts on the land, water, air, and other living things.
- **English Language Arts and Literacy:** Participate in collaborative conversations with diverse partners about topics and texts. Follow agreed-upon rules for discussions. Use words and phrases acquired through conversations, reading and being read to, and responding to texts.
- **Math:** Classify objects into given categories; count the numbers of objects in each category and sort the categories by count.

SDG Alignment



Flexible and adaptive lesson

Lesson plans are designed to be flexible and responsive to the evolving needs of your classroom. Lessons are editable and customizable to meet the different individual student and classroom contexts. A PowerPoint version with teacher instructions and a printable PDF lesson are available for download.

The Lesson

Lesson duration: 45 - 60 minutes

- 1 Before the students arrive to class, **carefully hide 10-20 PET plastic bottles around the classroom.**
- 2 **Distribute the “YES/NO” handout** and ask the class,
 - What do you remember about recycling?
 - What can be recycled?
 - Raise your hand and show me something that can be recycled on the handout?
 - What are the 1, 2, 3s of recycling?
- 3 **Display and discuss the “3 Steps to Recycling” slides,** then introduce the **PET plastic bottle challenge final slide and let the students know they will be collecting PET plastic bottles** for one week at school and at home to become a “Waste Hero”.
 - Use a class **“Bottle Counter”** on the board to see the daily progress.
 - Present the recycling box.
 - It is best to try and collect bottles at school if it is difficult for some kids to bring from home.
- 4 **Give them 5 minutes to search the class for the hidden PET plastic bottles to put into the new bin and start the count.**

lesson continued

The Lesson

Lesson duration: 45 - 60 minutes

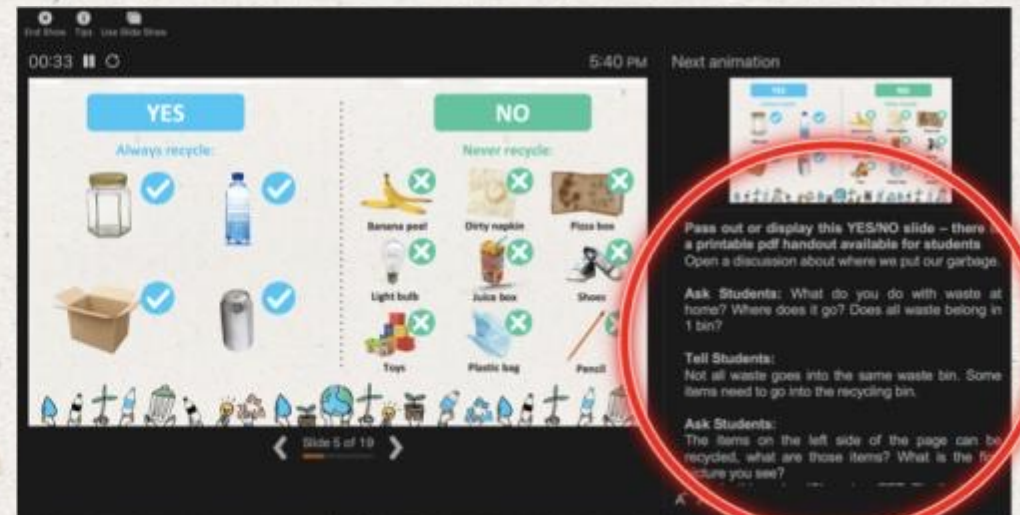
- 5 Each day of the **Bottle Challenge**, count as a class the number of bottles collected and mark the total on the class “**Bottle Counter**”.
- 6 **Distribute the PET plastic “Bottle Coloring” handout** and ask questions like,
 - What kinds of drinks go inside these bottles?
 - Do you have a favorite drink? What color is it?
 - Where do you put these bottles when you are done?
- 7 **At the end of the week, count the total bottles collected as a class and award the students with a “Waste Hero” certificate of achievement sticker.**

Prepare the PowerPoint presentation

When you are ready to present the lessons to your class click on **Slide Show** on the top menu bar then select **Presenter View**. In Presenter view, you can see your notes as you present while the audience see only your slides.



The notes appear in a pane on the right. The text should wrap automatically, and a vertical scroll bar appears if necessary. You can also change the size of the text in the Notes pane by using the two buttons at the lower left corner of the Notes pane.





Glass jar



PET Plastic bottle



Shoes



Metal can



Light bulb



Juice box



Dirty napkin



Pencil



Plastic bag



Toys



Cardboard box



Garden hose



Banana peel

YES

NO



YES

Always recycle:



Glass jar



PET Plastic bottle



Cardboard box



Metal can

NO

Never recycle:



Banana peel



Dirty napkin



Garden hose



Light bulb



Juice box



Shoes



Toys



Plastic bag



Pencil



The

3

Steps to
Recycling



Step 1 Know what you can recycle.



Glass Jar



PET Plastic bottle



Cardboard box



Metal can



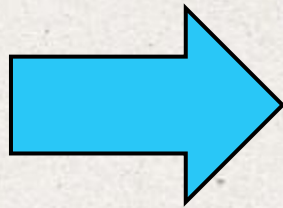
Step 2 Empty, clean, and dry before putting in the bin.



Step 3 Put recyclables into the correct recycling bin.



When we clean, dry, and recycle we can make new things.



Landfill



When recyclables are not correctly prepared and sorted for recycling, they end up as garbage that goes to a **landfill**.



How long does it take a cardboard box to disappear in a landfill?



3 Months

How long does it take a metal can to disappear in a landfill?



150 years

How long does it take a PET plastic bottle to disappear in a landfill?



450 years

How long does it take a glass jar to disappear in a landfill?



4,000 years

Can you find the PET plastic bottles in this classroom?



PET Plastic Bottle Classroom Challenge



Total	41
Friday	9
Thursday	6
Wednesday	9
Tuesday	10
Monday	7



Next Steps

- 1 **Print and pass out the “Bottle Coloring” handout** at the end of the lesson or send home as homework. The coloring page is separate from the PowerPoint lesson and is a downloadable pdf file.

PET Plastic Bottle Coloring



2

- 2 At the end of the week let the students know they are officially certified “Waste Hero’s” now and can teach their family how to recycle at home.

Im a certified
**WASTE
HERO** 

2