

OUR WASTE STORY

Waste Segregation & Plastic Reduction Project

SDG 12 - Use Things Wisely | SDG 14 - Save Life in Water

Every photo here tells one small story. Together, they tell one BIG green story!



"Here we come! The Green Team is ready for action!"

18 PHOTOS

18 little stories

12 WEEKS

one green mission

1 SCHOOL

big clean dream

CHAPTER 1 . THE BIG WASTE HUNT

Weeks 1-2: First we looked. Where is the waste hiding?

1



The Hunt Begins!

- We walked around our school like waste detectives.
- Near the old wall, we found a messy spot full of dry waste.
- Step one of any project: SEE the problem with your own eyes.

What Kind of Waste Is This?

- We bent down and checked the waste closely.
- Is it paper? Plastic? Leaves? We noted down every type.
- This is called a waste audit - counting what we throw.



2

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No Corner Left Behind

- One brave team member checked a corner all alone.
- Small waste is also waste - nothing escaped our eyes!
- Gloves and masks on - safety first, always.

Covering the Whole Campus

- The team spread out across the school garden.
- Many hands make the work fast and fun.
- By the end, we knew exactly where waste collects.



CHAPTER 2 . NATURE'S WASTE GOES HOME

Week 6: Leaves and twigs go into the blue compost drum.

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Leaves Go Into the Blue Drum

- Dry leaves and twigs are natural waste.
- They go into the big blue drum to become compost.
- Compost = free food for our garden plants!

6

Throw It Right, Not Just Throw It

- She checked the waste first, then dropped it in.
- Right waste in the right bin - that is segregation!
- One good habit, repeated daily, changes everything.



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A Second Life for Garden Waste

- Twigs and dry plants get a second life as compost.
- Nothing natural should go to the dump yard.
- Nature made it, so nature can take it back.

8

Teamwork at the Drum

- Two friends, one drum, one goal.
- One checks, one drops - work is faster in pairs.
- Green work is more fun when done together!



CHAPTER 3 . THE RIGHT BIN WINS

Recyclable waste finds its true home - the green bin.

9



Into the Green Bin It Goes!

- This waste can be recycled, so it goes in the green bin.
- Recycling means old things become new things.
- Every right throw saves our land and our oceans.

CHAPTER 4 . CLASSROOM HEROES

Weeks 7-10: Cleaning, sorting and caring - inside our school.

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Sweep First, Smile Later

- We swept every bit of dust and paper near the board.
- A clean class helps everyone study better.
- We did not wait for someone else - we did it ourselves!



11



The Dustpan Master

- Bend, sweep, collect - like a pro!
- Not one scrap was left on the floor.
- Small tools + big will = spotless classroom.

12

Wrappers, You Are Caught!

- Chips packets and wrappers went straight into the bin.
- Wrappers are plastic - they never rot on their own.
- Best plan: use less of them from the start!



13



Double Trouble for Litter

- Two heroes attacked the litter together.
- One sweeps, one picks - perfect teamwork.
- Litter had no chance against us!

14

Paper Finds Its Place

- Old papers were collected with the dustpan.
- Paper is recyclable - it can become new paper!
- So it went into its own bin, not mixed with food waste.



15



Sort Before You Throw

- We checked each item before throwing it.
- Sorting takes 5 extra seconds but saves the Earth years.
- Think first, throw next - our new golden rule.

16

Even Old Pens Matter

- Dead pens and markers are plastic waste too.
- We collected them separately, one by one.
- No waste is too small to be sorted!



17



Corner-to-Corner Clean

- The whole corner was cleaned as a team.
- We checked, collected and binned everything.
- Proud faces, clean spaces!

CHAPTER 5 . OUR SMART BIN - THE AI HELPER

The future of waste: our school is building it with our own Tech Department!

What is a Smart Bin?

A smart bin is a normal bin with a small brain! A sensor inside checks how full the bin is.

AI (Artificial Intelligence) reads the sensor and decides: is the bin okay, getting full, or FULL?

Our school is building this right now, together with our Tech Department. Students + tech = magic!

THE LED TRAFFIC LIGHT - THE BIN TALKS TO US!



GREEN LIGHT

Bin has lots of space.

All good - keep throwing right!



YELLOW LIGHT

Bin is getting full.

Heads up - almost time to empty.



RED LIGHT

Bin is full!

AI sends an alert - please empty me!

How Does AI Help Us?

- The bin never overflows - AI warns before the mess happens.
- School helpers do not need to check every bin again and again. AI tells them which bin needs them.
- This saves time, saves energy and keeps our school clean all day.
- AI also keeps a record - so we can see which spot makes the most waste and fix it!

SEE A FULL BIN? SCAN & TELL - THE QR MAGIC!



SCAN

Every smart bin has a QR code with its own bin ID.

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REPORT

The QR opens a small form - spot, waste type, photo.

>



ALERT

The report reaches our school workers instantly.

>



CLEAN

The bin gets emptied fast. Problem solved!

BUILT IN OUR SCHOOL, BY OUR SCHOOL!

Our Tech Department and student teams are working together on the smart bin - sensor, lights, QR alerts and all. We are not just learning about the future.

We are building it!

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CONFIDENTIAL

THE END... IS A NEW BEGINNING!

What our 18 little stories taught us

SEE

SEE IT

First find where the waste is. Look with your own eyes.

SORT

SORT IT

Green bin, blue bin, red bin - every waste has a home.

SHRINK

SHRINK IT

Use less plastic. Carry a bottle, a box and a cloth bag.

SHARE

SHARE IT

Teach your family and neighbours what you learned.

OUR GREEN PLEDGE

*"We sort our waste today,
so the oceans can smile tomorrow."*

REFUSE . REDUCE . REUSE . RECYCLE . REPEAT