



Environmental Project Presentation
Laboratory Technician Grade 10



GREEN
OUR
SCHOOL!

▲ **The Future Starts Here : Our Smart Green School** ▲

What is OUR Project ABOUT?

“Our school is a place where we learn every day so why not make it a place that helps the planet too? For our project, we built a model of a sustainable school, showing different ways to save energy, reduce waste, and make learning spaces more eco-friendly. Let’s show you what we came up with!”





What is OUR GOAL?

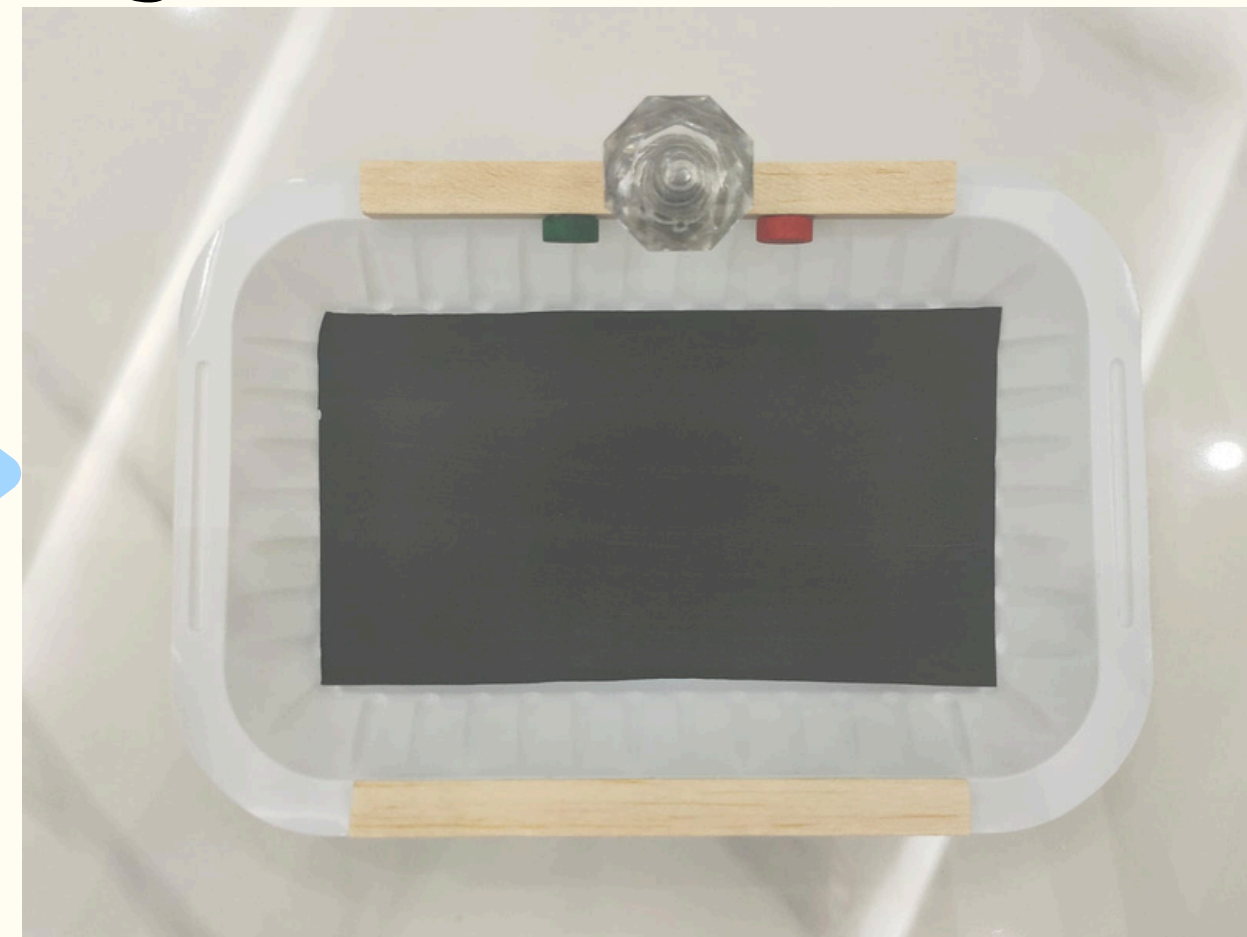
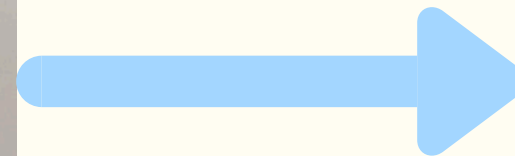
**“Our goal was to find ways
to make our school more
environmentally friendly
and sustainable”**



Solar-Powered Devices

The smart screen the teacher uses and the fan in the classroom both run on solar power

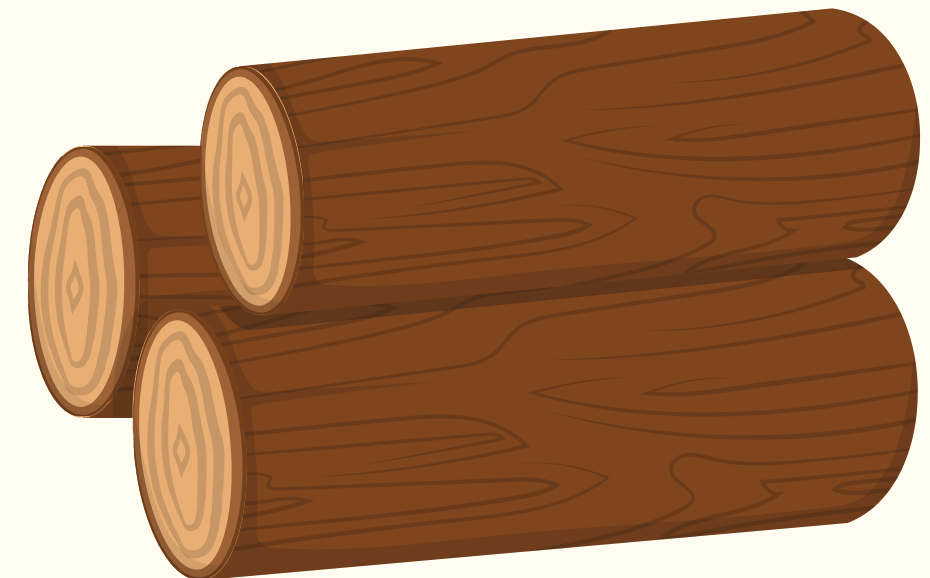
this shows how we can use clean energy in classrooms instead of electricity from burning fuels



using a plastic plate and wooden shapes painted a used paper black to act like the screen

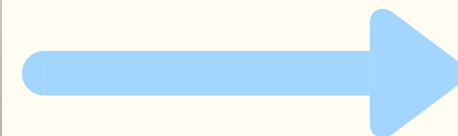
Reused Wood Furniture

For the tables and chairs, we used ice cream sticks in our model, but in real life it would be reused or scrap wood. We chose that because reusing materials helps reduce waste and saves trees, and it's a creative way to give old materials a new purpose



Smart Light Sensor

**We also added a sensor that detects if someone is in the room
if the classroom is empty, the lights automatically turn off
this helps save electricity and makes sure no energy is wasted**



**using a
used soda
cap and
wooden
circles**





Big Windows

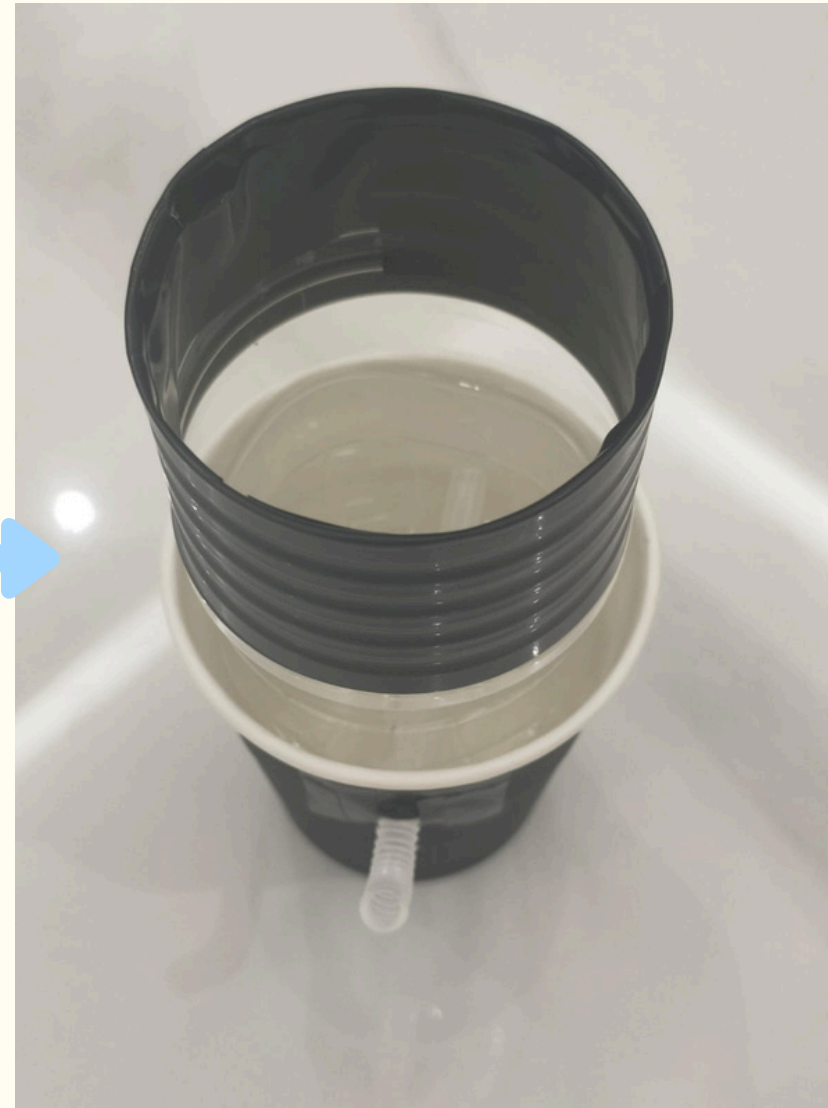
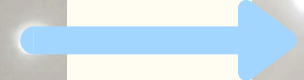
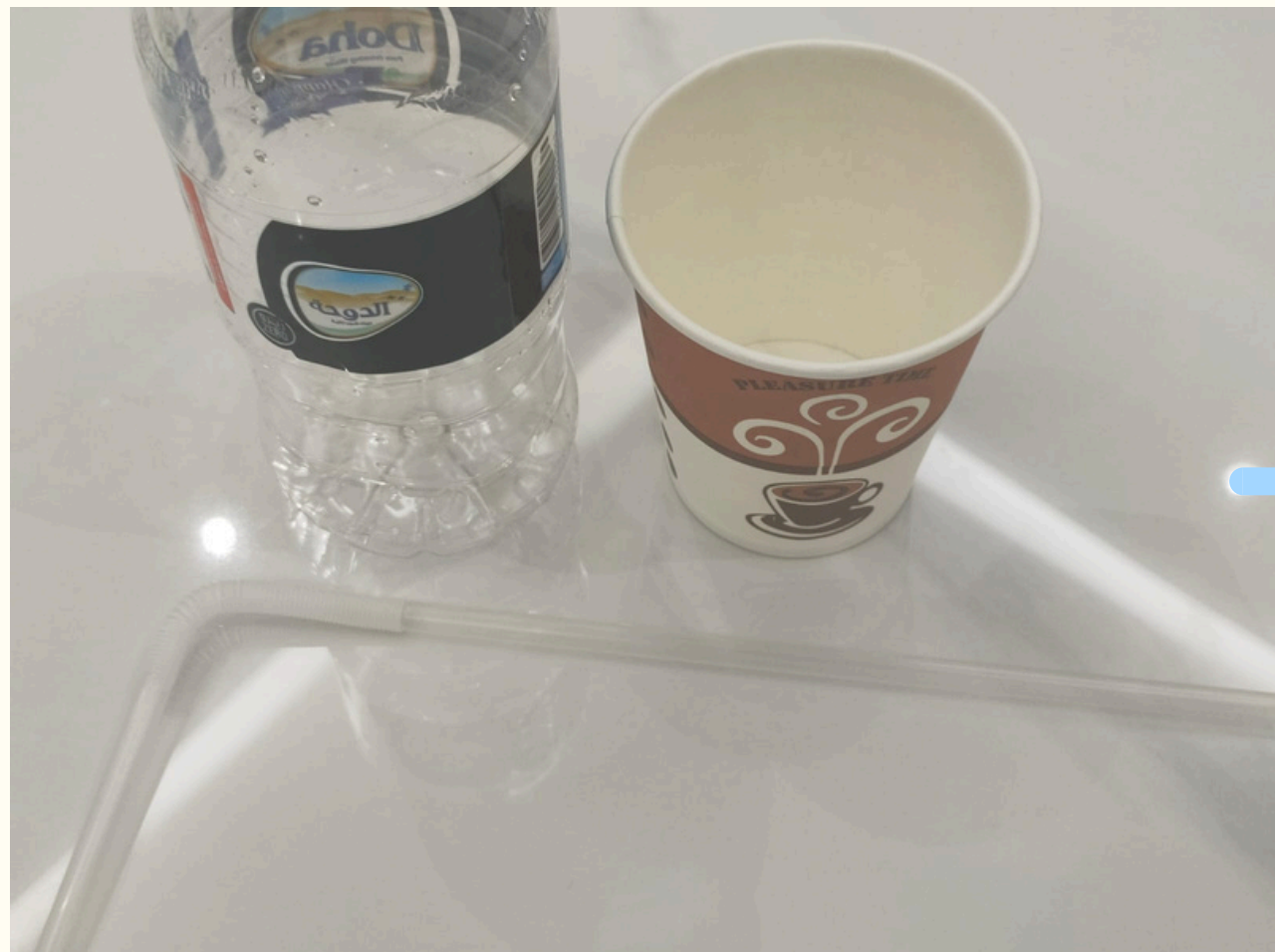
We gave the classroom big windows to let in natural sunlight, especially during the winter. this way, we don't need to use the lights as much, and the sun helps keep the classroom warm. in the summer, we can cover the windows to stop the room from getting too hot, and use our energy-saving lights with sensors instead



Rainwater Collector

Outside the classroom, we added a rainwater collector made from a bottle, used paper cup and a straw.

we can use the collected rainwater to water the plants inside and outside the classroom, which helps save clean tap water and use natural resources



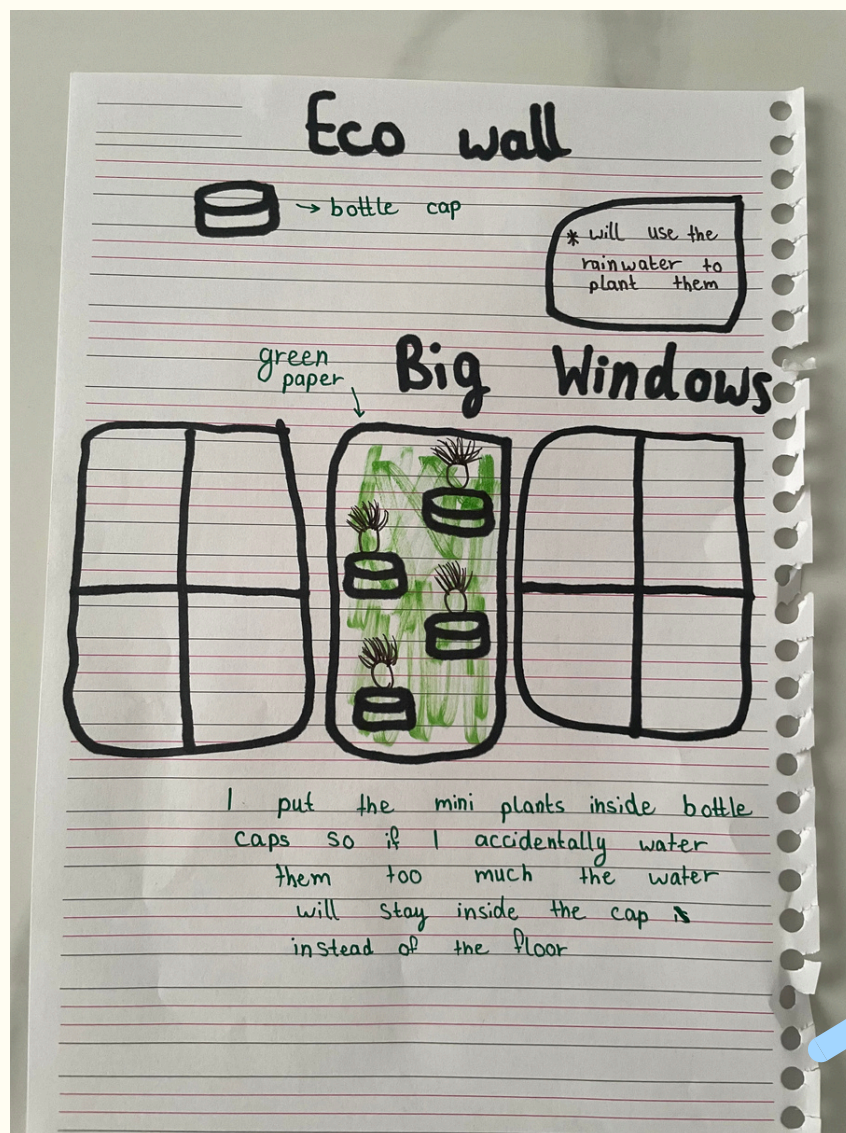
using a plastic bottle, paper cup, straw

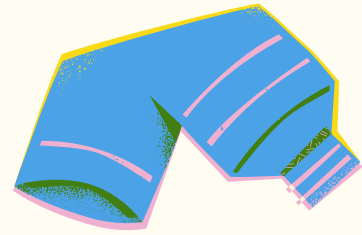
Green Wall

We created a eco green wall using bottle caps as tiny plant pots you may ask why when the plants already have pots its because if someone accidentally watered the plants too much the water will stay in the cap instead of the floor



**using bottle caps,
paper, mini plants
from an old project**

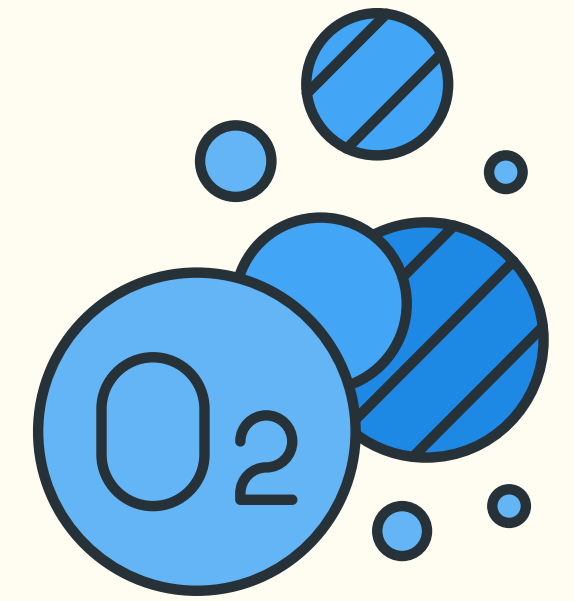




Waste and Recycling System

We also designed a smart waste sorting area with five bins:

- two recycling bins (for paper, plastic and more)
- a food waste bin
- an other waste bin
- one harmful waste bin (for batteries or chemicals)



this makes it easier to recycle, reuse, and safely throw away harmful materials

near the recycling bins, we added another green area with more plants as it helps improve air quality, produce oxygen and makes the classroom feel fresh and lively



Sustainable parking

My parking design is a green and sustainable parking area for our school

It has solar panels that use sunlight to create clean electricity

This renewable energy helps save power and reduce pollution

I added grass and green plants to make the parking beautiful and improve the air quality

The parking is built with natural and eco-safe materials that are good for people and nature

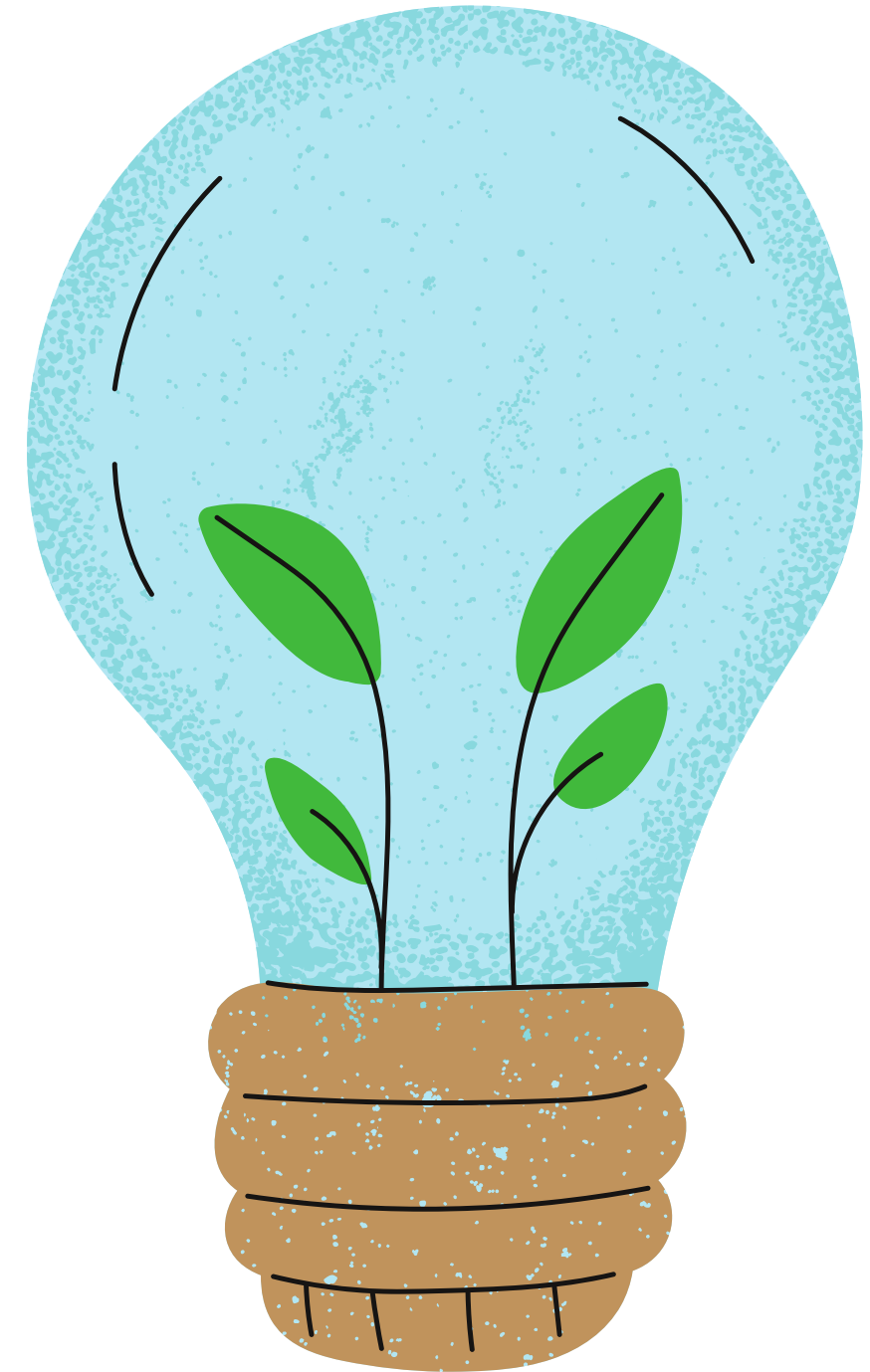
This green parking is environmentally friendly and makes our school a cleaner, greener place

Materials I used: Reused foam board / ice-cream wood sticks / paper to print the solar panel
trees from my little brother (used for decoration) /



Awareness

The role of our group was to raise students awareness about the importance of sustainability. To achieve we organized several fun activities, like a competition and an interactive corner during the break.





imagine this :

you are a teacher walking and passing by the chemistry lab

all of a sudden you notice the lab filled with water ! so you enter to see what happened ! the AC was dripping and a pipe was broken !!!

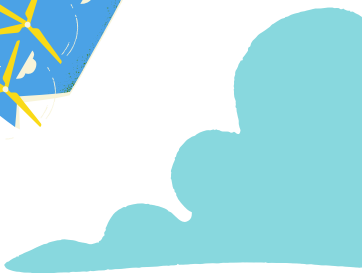


HOW WOULD YOU REACT ?

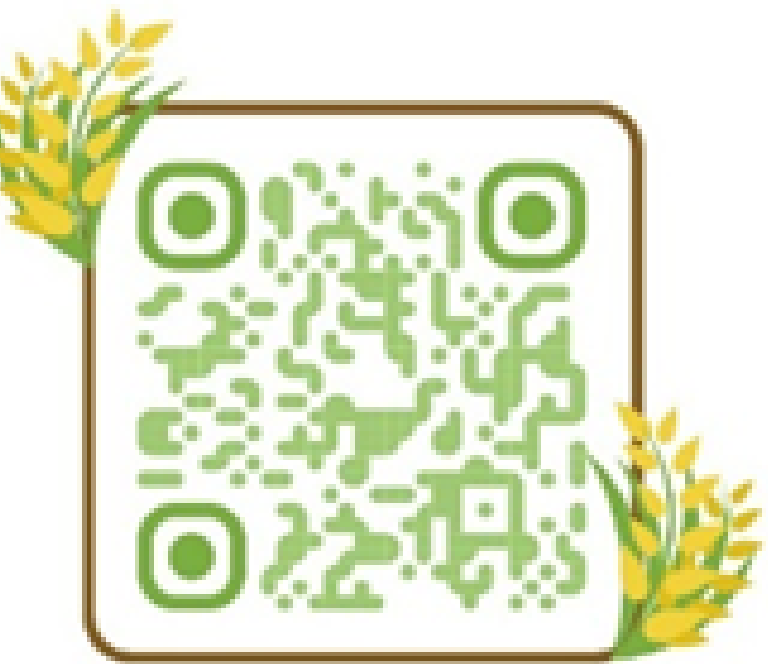
WHAT ARE YOU GOING TO DO ?

That is why we created our project

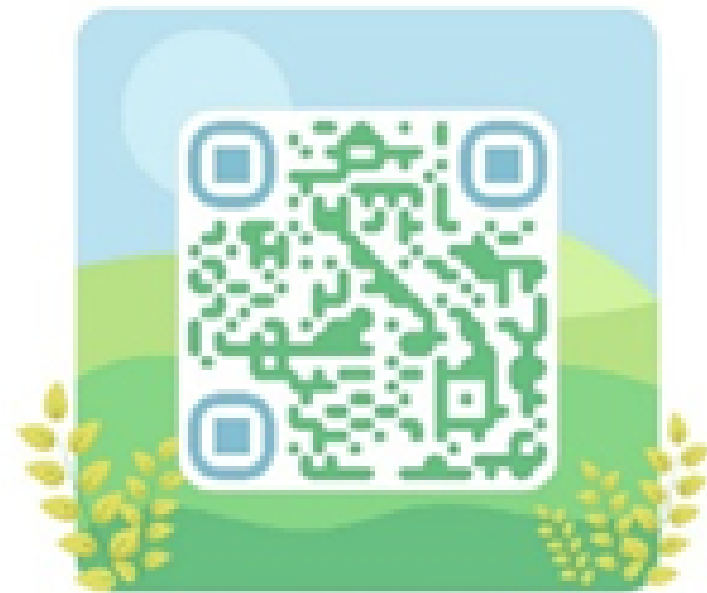
our website helps people especially teachers and employees in our school to ensure a safe environment and ensure that all personnel in our school is safe .



TRY IT YOURSELF !



Report an
environmental issue



Smart environment
helper

FIRST : scan the barcode
SECOND: fill in your info , the discription of the issue and requested infromation.

THIRD : scan the other barcode (netlify)
FOURTH: add a picture of the issue so that the website gives you the correct action to take
LAST BUT NOT LEAST : control the issue and enjoy a safe enviroment !!!

