

# SUSTAINABILITY PRACTICES IN IES CAYETANO SEMPERE NOW AND IN THE FUTURE



Financiado por  
la Unión Europea



# SOCIAL CONTEXT: OUR SCHOOL

Our school is located in Elche, Alicante. It is in the southeast of Spain, in the coast of the Mediterranean sea.

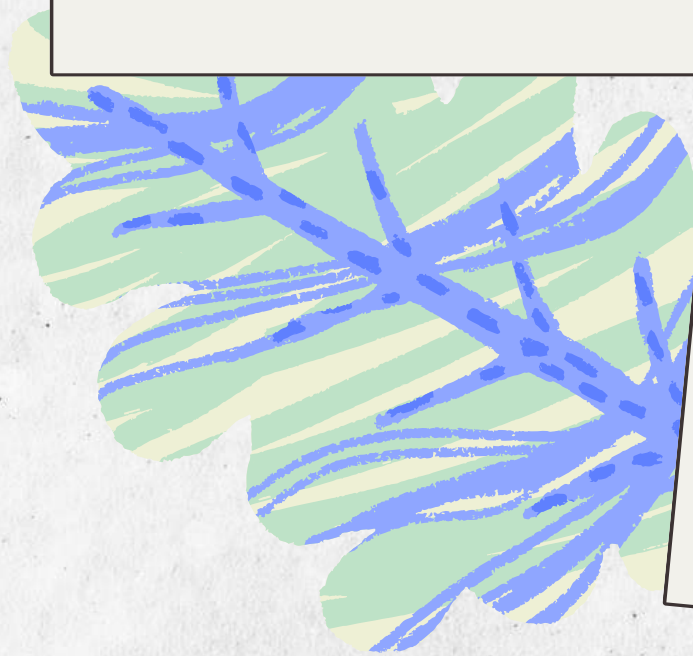
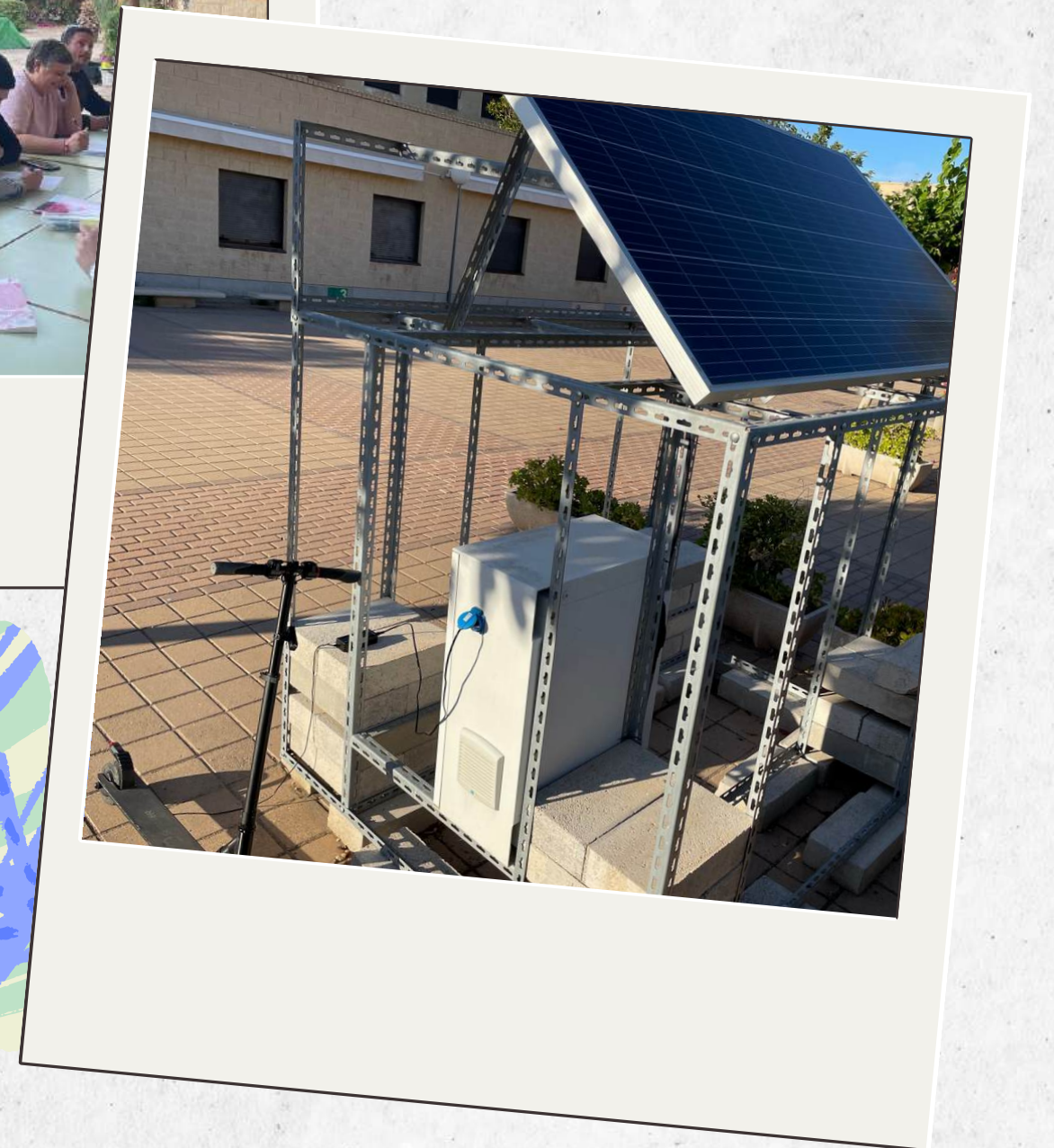




# SUSTAINABILITY PRACTICES

In our school, we help sustainability through different practices, such as:

- Recycling. (From paper to board markers).
- Educating students in sustainable values.
- Outside classrooms.
- Field trips to our natural landscape.
- Controlling what we pollute.





# RECYCLING



- In all our classrooms, we've got bins to recycle plastic and paper. We use them ourselves and we encourage our students to do so.
- We also use refillable markers, and we recycle the plastic waste. Every teacher uses the same markers along the year, recharging the cartridge.







# RECYCLING

- We have got a [water fountain](#) in the teachers' hall and we encourage everyone to bring their cup or bottle from home to avoid using single-use plastic cups.





# EDUCATING IN SUSTAINABLE VALUES

Along the year, we do several expositions to raise our students' awareness.

For example, this one is about the importance of biodiversity and natural processes as pollination.





# SUSTAINABLE DEVELOPMENT GOALS



- The **actual piers** of our school are the SDG. These were painted by our students.



# EDUCATING IN RENEWABLE ENERGIES

With the help of our Vocational Training students, we have installed solar panels to charge electric scooters and also an electric car charger.

The aim is to encourage students and teachers to use more sustainable ways to transport and come to school.





# EDUCATING IN RENEWABLE ENERGIES







# EDUCATING IN RENEWABLE ENERGIES

We've got a Christmas tradition in school called "Bicillum" (which means literally "bike-light").

We decorate our bicycle with christmas lights and tour around town to promote the use of the bicycle and demand more cycle lanes.





# OUTSIDE CLASSROOMS

When the weather's good, we take our students outside to enjoy our Llaboratori (llavor = seed)

Compulsory Secondary School students, from 13 to 17 years old, take care of this garden.

We've got flowers, but we've also got spinach, for example.





# CONTROLLING OUR POLLUTION

As we have workshop subjects for Vocational Education and Training which involve the use of machinery and power tools, we need a plan to dispose the waste they produce (industrial oils, for example).

For tis purpose, our school hired a company to recycle as much waste as posible.

	TIPO DE RESÍDUO	PELIGROSO	NO PELIGROSO	ACTIVIDAD QUE LO GENERA	KG DE RESIDUOS GENERADO/AÑO
1					
2	ENVASES PAPEL Y CARTÓN			Uso de envases y embalajes	25
3	ENVASES PLÁSTICO			Uso de envases y embalajes	25
4	HERRAMIENTAS USADAS			Reparaciones y uso	25
5	METALES GENERALES (CHATARRA, RESTOS...)			Montajes, reparaciones e instalaciones	2000
6	VIRUTAS DE ACERO			Mecanizado	2000
7	VIRUTAS DE ALUMINIO			Mecanizado	200
8	SEPIOLITA ABSORVENTE			Limpieza de derrames y fugas de líquidos. Limpieza y desengrase	25
9	ACEITES DE MECANIZADO			Mecanizado por herramientas metálicas, por electroerosión o rectificación	80
10	DISOLVENTES			Limpieza de piezas	25
11	TALADRINAS Y LÍQUIDOS REFRIGERANTES			Mecanizado en máquina herramienta	80
12	ELECTRODOS Y MATERIAL ELECTRICO			soldaduras y material eléctrico	15
13	PAPEL Y TPAPOS CONTAMINADOS			Limpieza de superficies, cambiós de aceites	100
14	PLÁSTICOS CONTAMINADOS			Envases que contienen residuos peligrosos	25
15	PILAS Y BATERIAS			Máquinas manuales y portátiles	10



# **FUTURE ACTIONS OBSERVED IN JOBSHADOWING EXPERIENCES**



**Erasmus+**



FORAVE (PORTUGAL)  
LYCÉE PRIVÉ ET UFA  
ROBERT SCHUMAN  
(FRANCE)  
UELZEN (GERMANY)



## Reuse industrial objects

You can give second chance  
to industrial objects:  
flowerpot stand, decoration  
things...





# FORAVE (PORTUGAL) LYCÉE PRIVÉ ET UFA ROBERT SCHUMAN (FRANCE) UELZEN (GERMANY)

New ecological areas:  
Interdisciplinary project  
of VET with other areas,  
for example sciences  
(design of an artificial  
lake by the VET)





FORAVE (PORTUGAL)  
LYCÉE PRIVÉ ET UFA  
ROBERT SCHUMAN  
(FRANCE)  
UELZEN (GERMANY)

**Machine for  
reusing material**



Plastic recycling machine and  
water purification machine



# FUTURE ACTIONS IN OUR INSTITUTION





# BUILD A VERTICAL GARDEN



Autor:Neitram



# BUILD A NEST (BIRDS OR BATS)





**¡MUCHAS  
GRACIAS!**



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