Encontro internacional
Erasmus+ Ferrol
2023

Departamento
IES DE ORTIGUEIRA
Tecnología

KAI course STEAM & Robotics

Patricia Hermida
IES de Ortigueira

(Livadia, Greece) 4-8 April 2022

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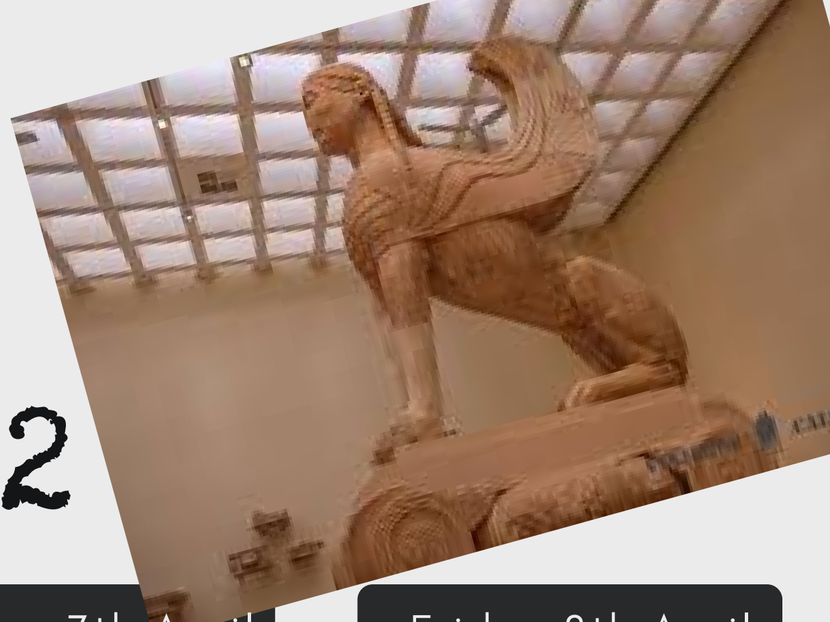

Schedule 4-8 April 2022

Monday 4th April

9:00 **Official meeting** (Regional governor, Mayor, Director of Viotia Education, courses instructors)
11:00-14:00 **Course in 3rd High School of Levadia.**

Tuesday 5th April

07:45 **Visit to Delphi** and Arachova
15:00-20:00 **Robotics course in 3rd High School of Levadia.**

Wednesday 6th April

09:14:00 **Job Shadowing in 8th Primary School of Levadia.**

Thursday 7th April

09:00-14:00 **Robotics course in 3rd High School of Levadia.**

Friday 8th April

09:00-12:00 **Course in 3rd High School of Levadia**.
12:00-14:00 **Course evaluation**

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Our experience started at the airport

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Monday 4th April

We were received at the 3rd High School of Levadia ASPAITE (Higher Education Academy)

Session of robotics course: EV3 robot in a live session detecting red lines to recognise important events in the history of Greece.

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3rd High School of Levadia

- The school had replicas of different works of art in walls and classes

- We were really involved in our robotic course

Tuesday 5th April
Delphi Δελφοί

On Tuesday morning we moved to Delphi to get to know this Greek city, a UNESCO World Heritage Site since 1987

It was the place of oracle of Delphi, inside a temple dedicated to the god Apollo

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Treasures of Delphi

- The treasure of Athens

- Auriga of Delphi

- Omphalos, navel of the World

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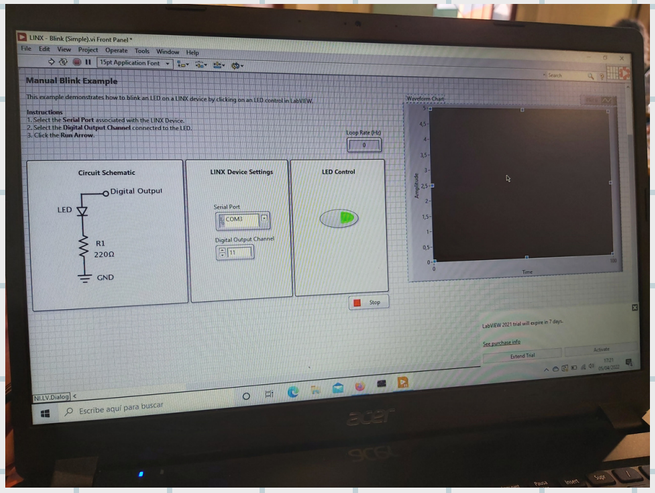
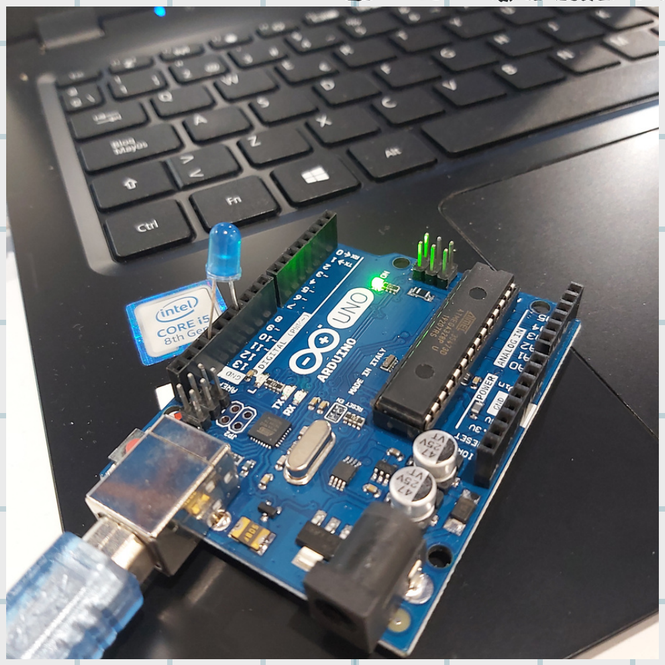
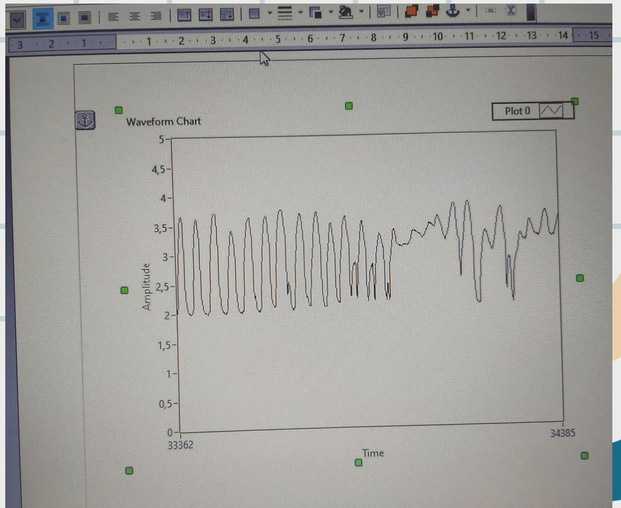
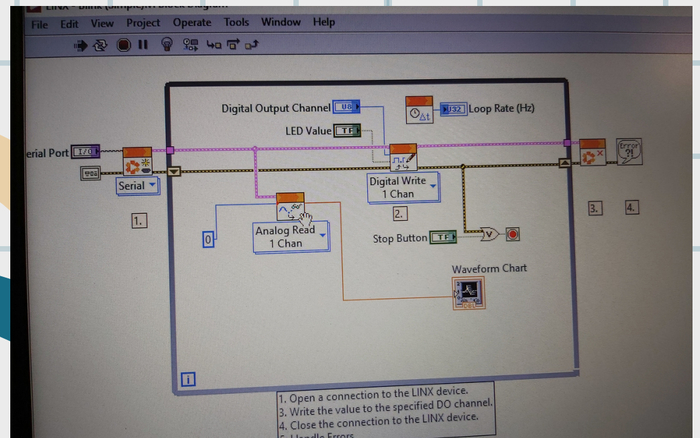
Tuesday 5th April
Course









ICT tools employed

- LabView
- Arduino
- Pepacura

Wednesday 6th April Job shadowing in 8th Primary School of Levadia

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Educacional Robotics & STEAM

Greece &

- Visit different classes of school
- STEAM activity combining programming, Microbit and Pepacura

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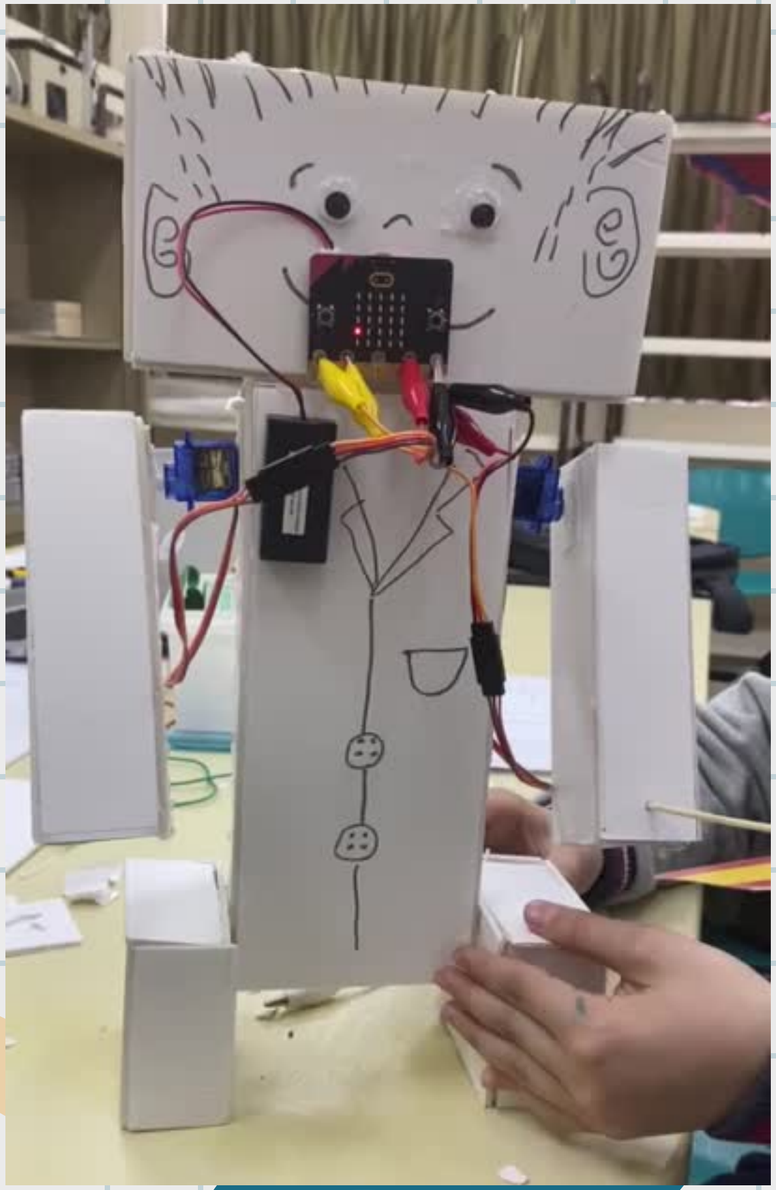
STEAM activity



Designing a robot: Microbit & Pepacura

- We worked in mixed groups: Spanish teachers with Greek students of the Primary School
- We designed the robot
- We programmed the movement with Microbit
- Finally, we tested and presented the results to the rest of the groups

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Thursday 7th April
Course - 3rd High School of Levadia

Practice STEAM projects

We put into practice the knowledge acquired in previous days doing projects as:

- AN ALARM CLOCK
- A WATER TANK

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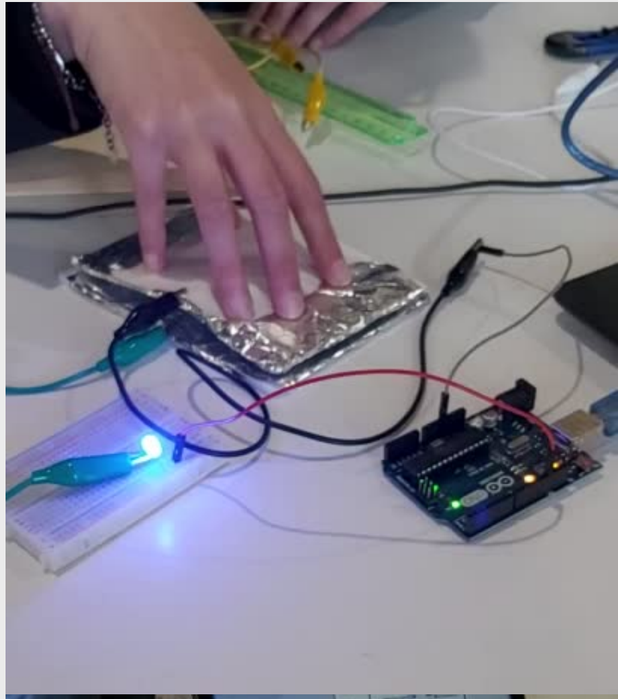
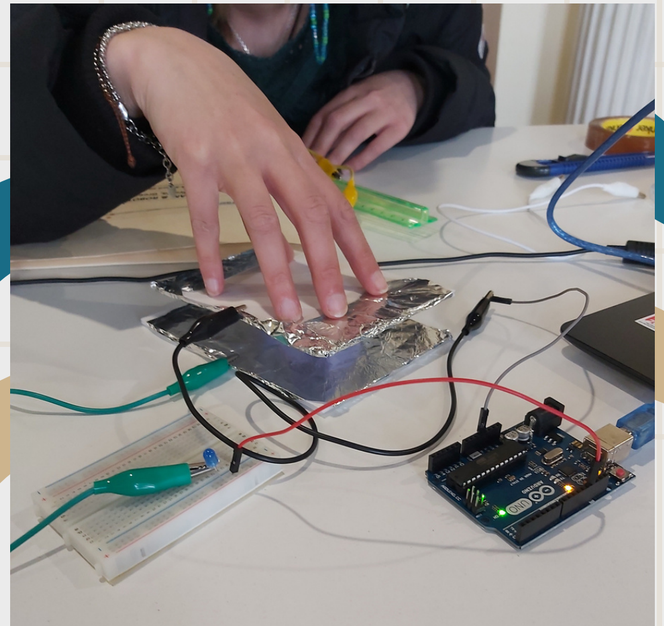
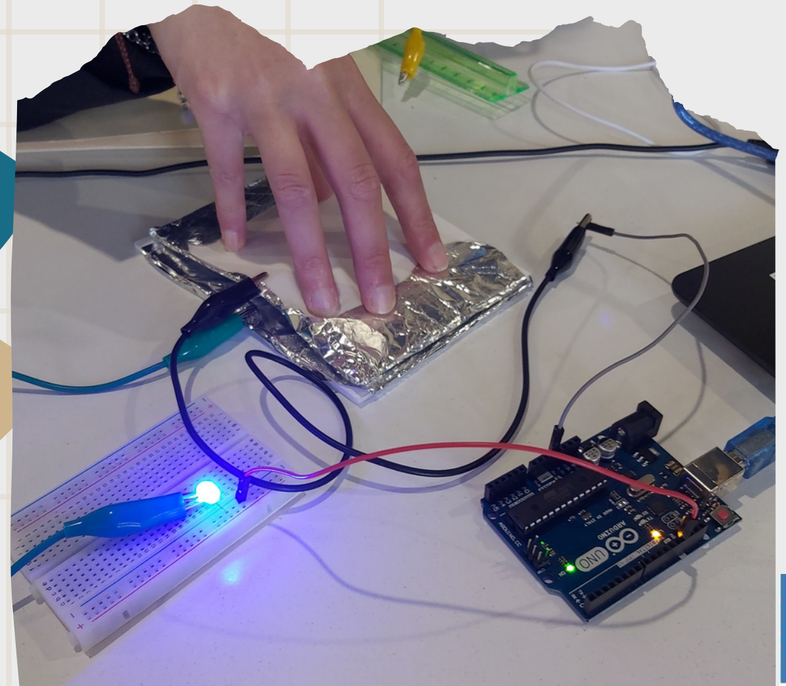
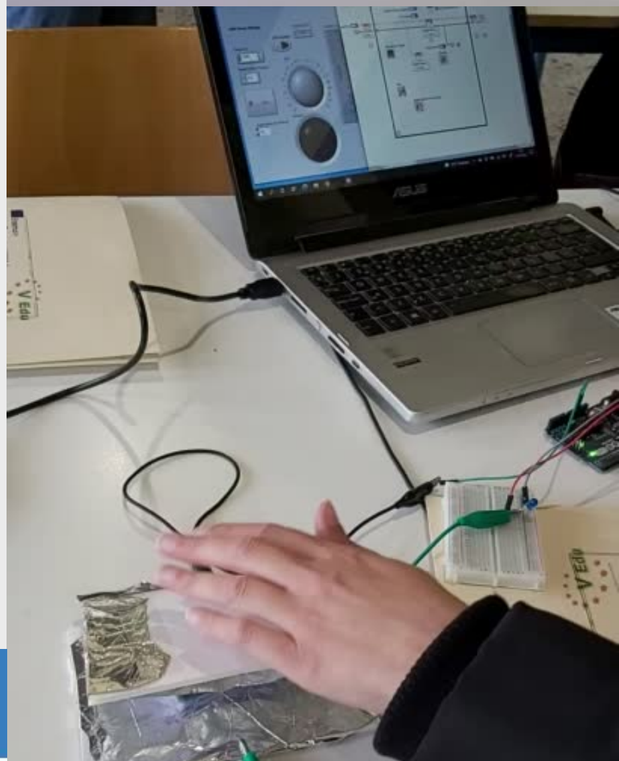
Alarm clock

- It is an electronic push-button (made with materials as foil paper, sponge, cables and LED light) and programmed with LabView









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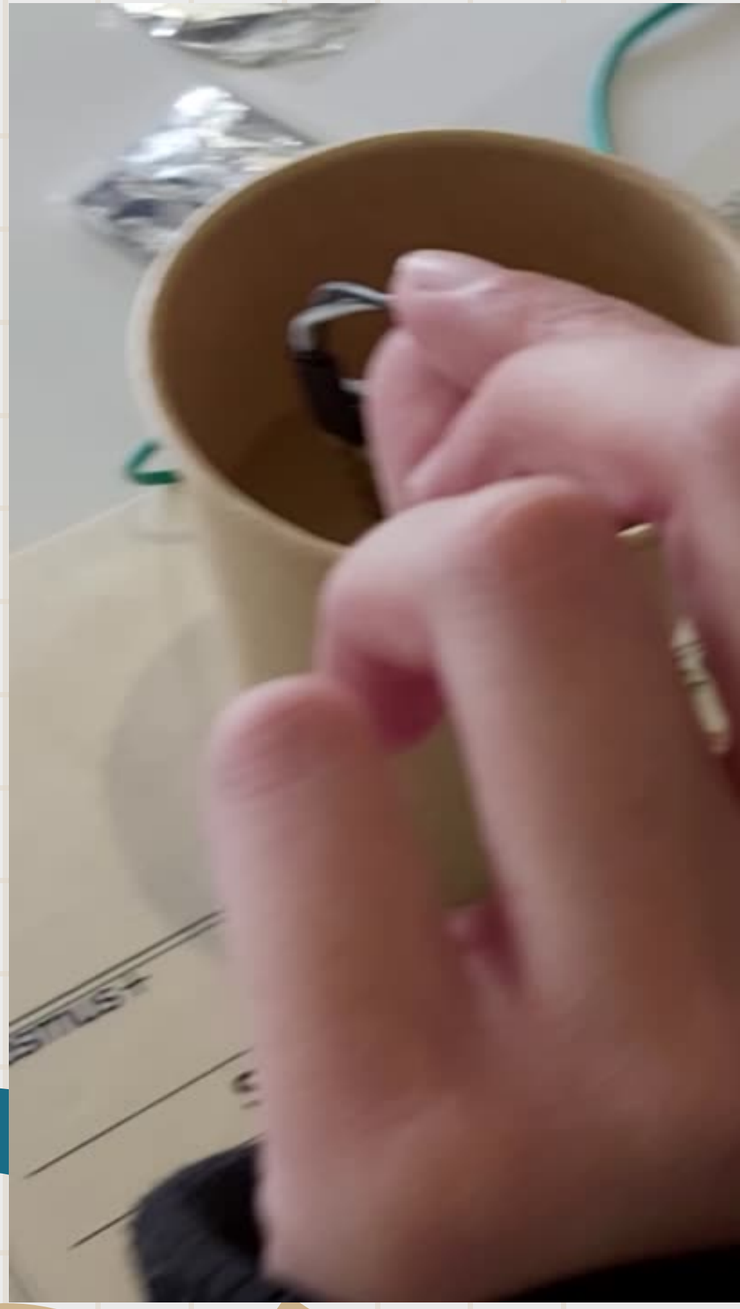
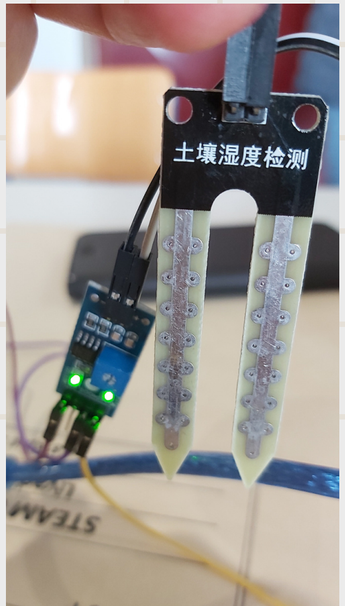
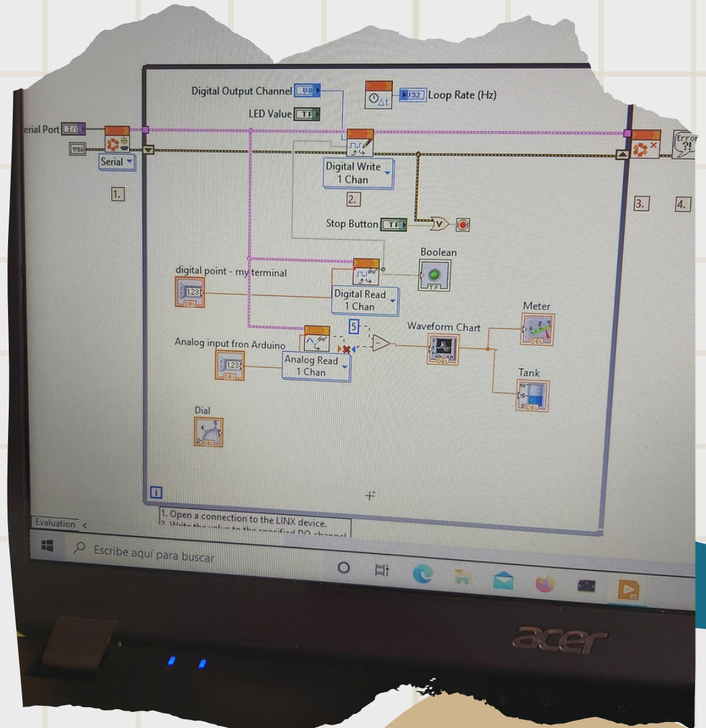
Water tank

- It was an electronic control of water level. We used LabView to program it



Humidity sensor employed





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Friday 8th April

- Final evaluation
- Departure back home

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Livadia

Located in Central Greek, it´s the capital of Beocia.
With a population around 22.000 habitants

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Food in Greece

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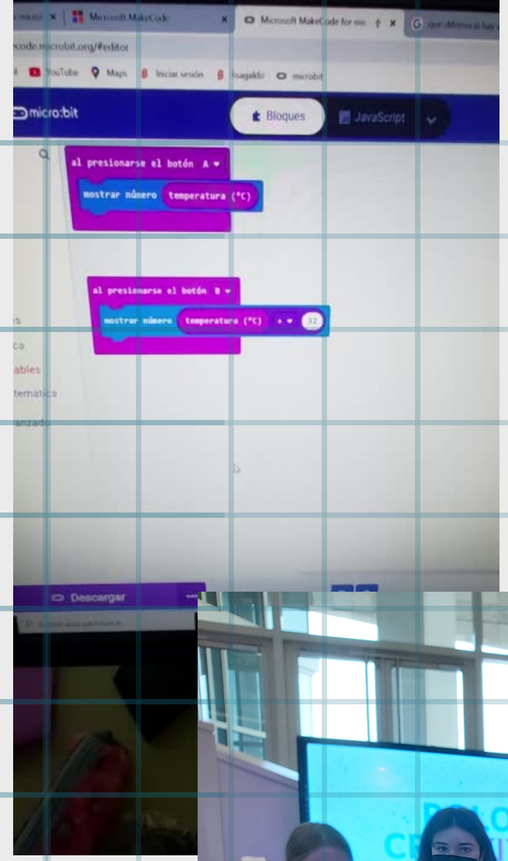
Impact in the school

Electronic workshops in Technology classes and in Science Club. Also, we participated in different science fairs



- Polos Creativos Science Fair

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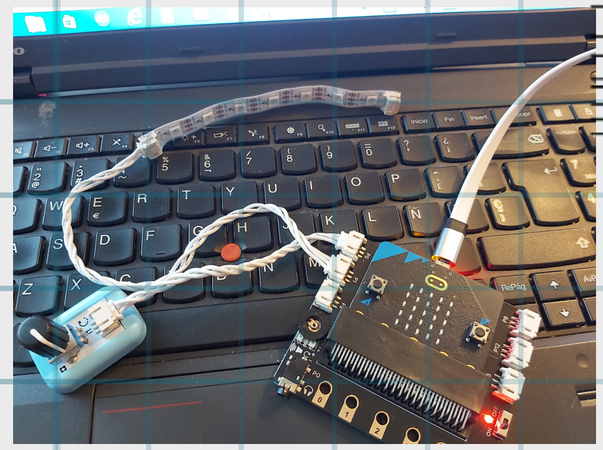

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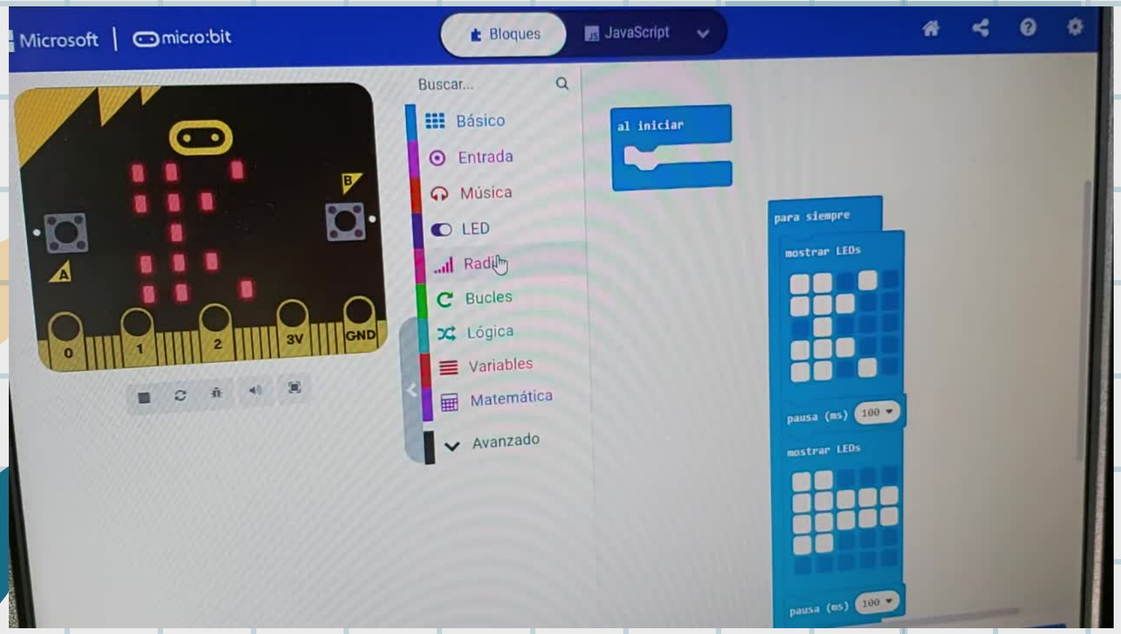
Impact in the school



- Science Fair in A Coruña (Día da Ciencia na Rúa 2022)

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Thanks

Europe: United in Diversity

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