Robotic Arm
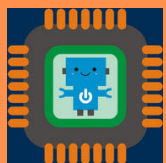
Clio Paizi

Arsakeio High School of Patras

RoboSTEM Lesson Report

Co-funded by the
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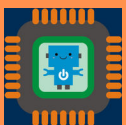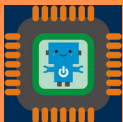
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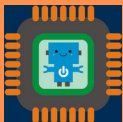
Student Profile

Hello! My name is Clio!

- Age: 15 years old

- Country of Origin: Greece

- School Grade: 10th Grade

- Favourite School Subject: IT

- Hobbies: Music, Videogames

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Topic of the Lesson

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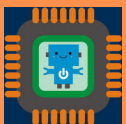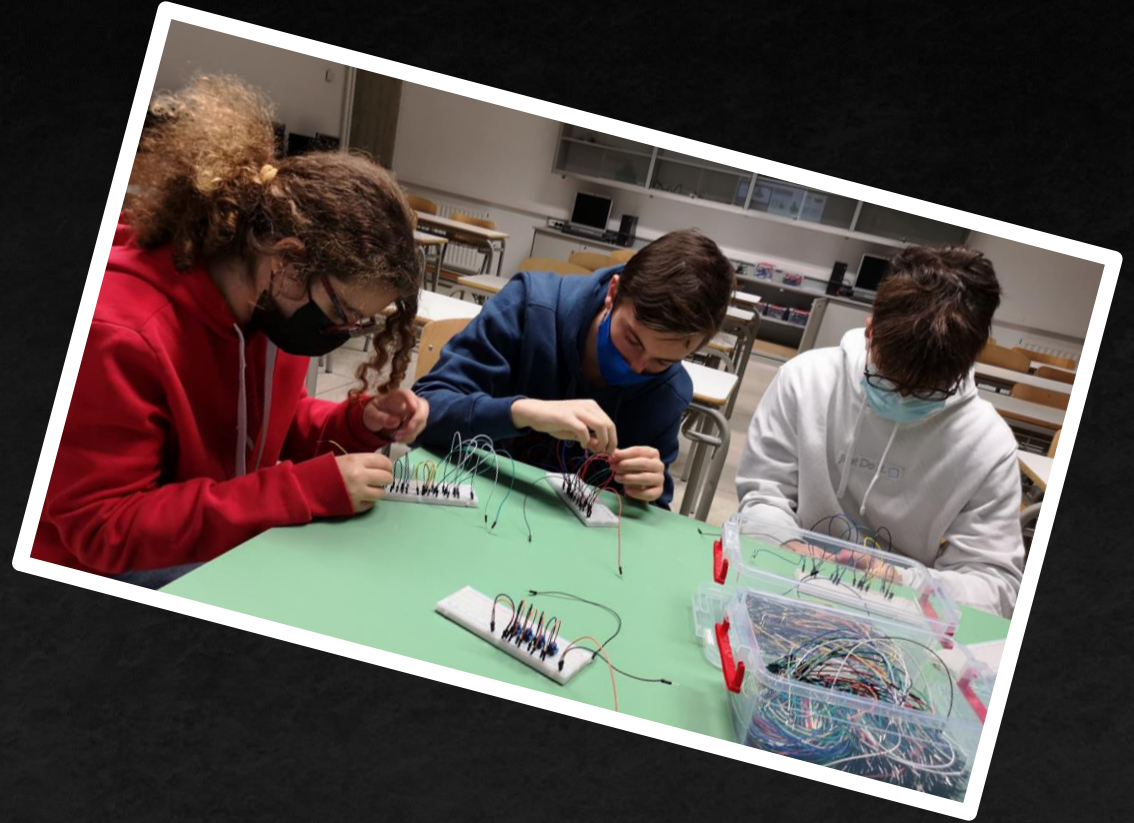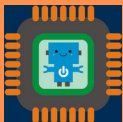
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Topic of the Lesson

We studied how we can connect cables to put together a circuit built upon the basis of an Arduino unit and how to write code for the Robotic Arm to perform several movements.

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Practical Implementation

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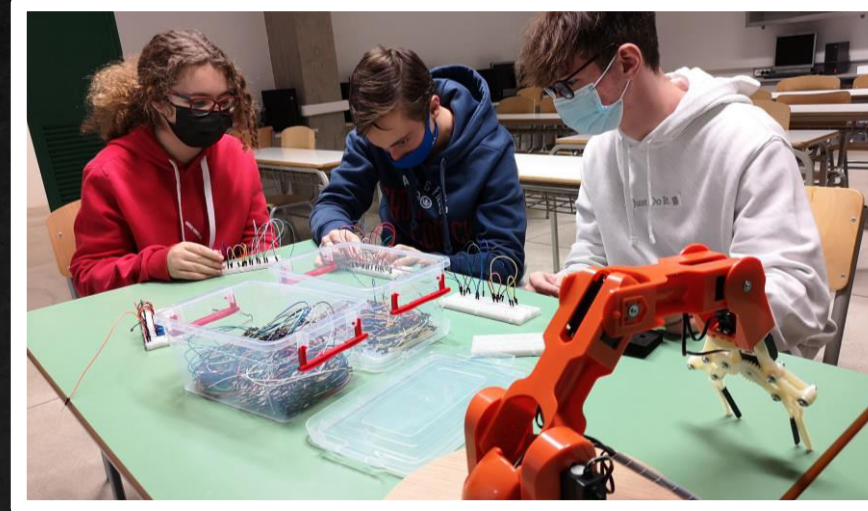
Practical Implementation

The arm can be utilizied in factories or in other difficult activates that cannot be performed easily by a human or are very dangerous (e.g. The remote deactivation of a bomb, or the utilization of an arm in nuclear factories or even in work chains of heavy item formation like cars).

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A Different Way to Learn

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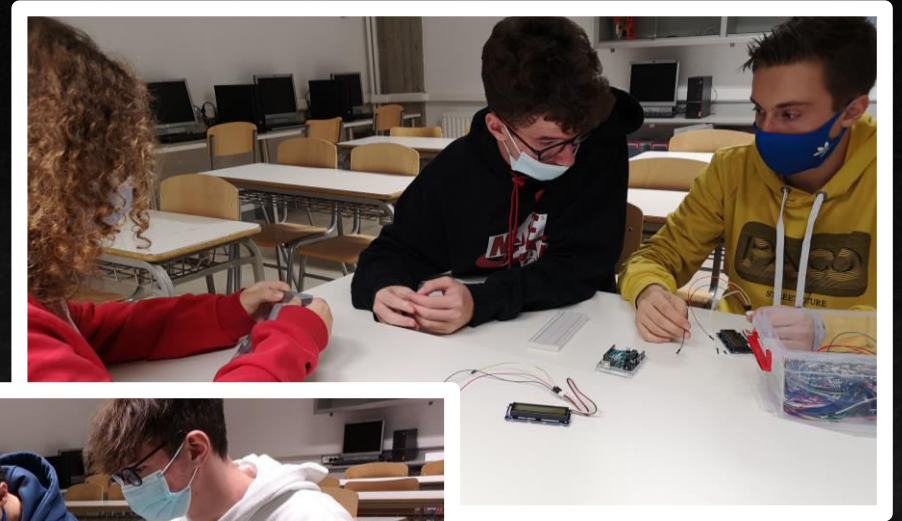
A Different Way to Learn

The whole experience was different from other activities offered by our school, because it inspired us to learn to code and gave us an impression of how the future is going to be.

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Eager to Get Back?

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Eager to Get Back?
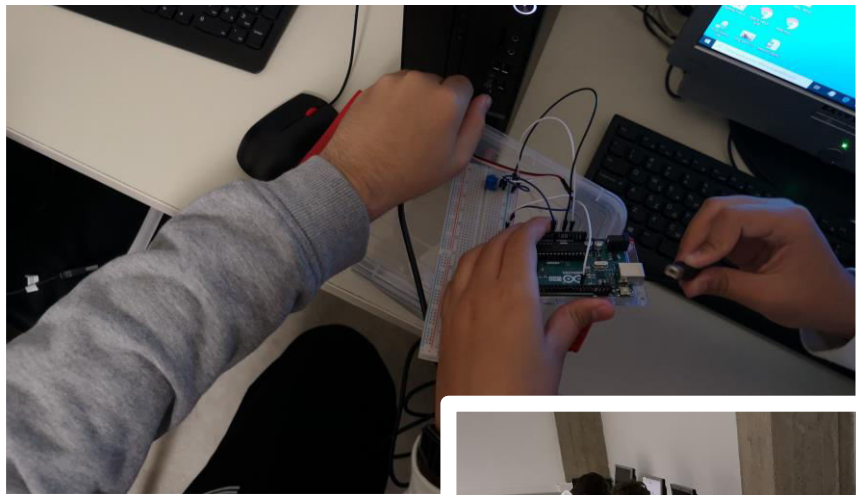
Every week we do something special in this course! For me the time we spend in the lab is unique.
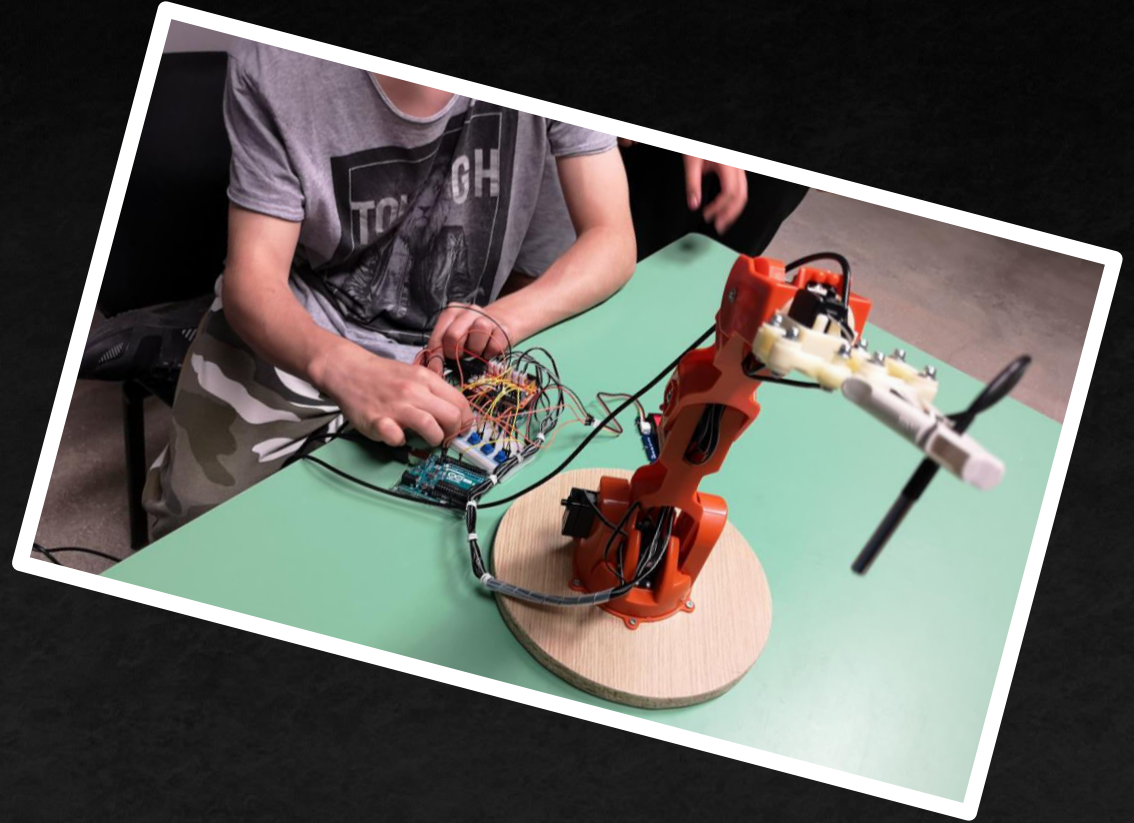
Problem Solving

Problem Solving

One of the most interesting aspects of this course is finding ways to solve problems that occurred during the design process. Our teacher taught us to think like mechanics. He showed us how to rule out several scenarios of fault until we could pinpoint the real cause for each problem.

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My Way of Learning

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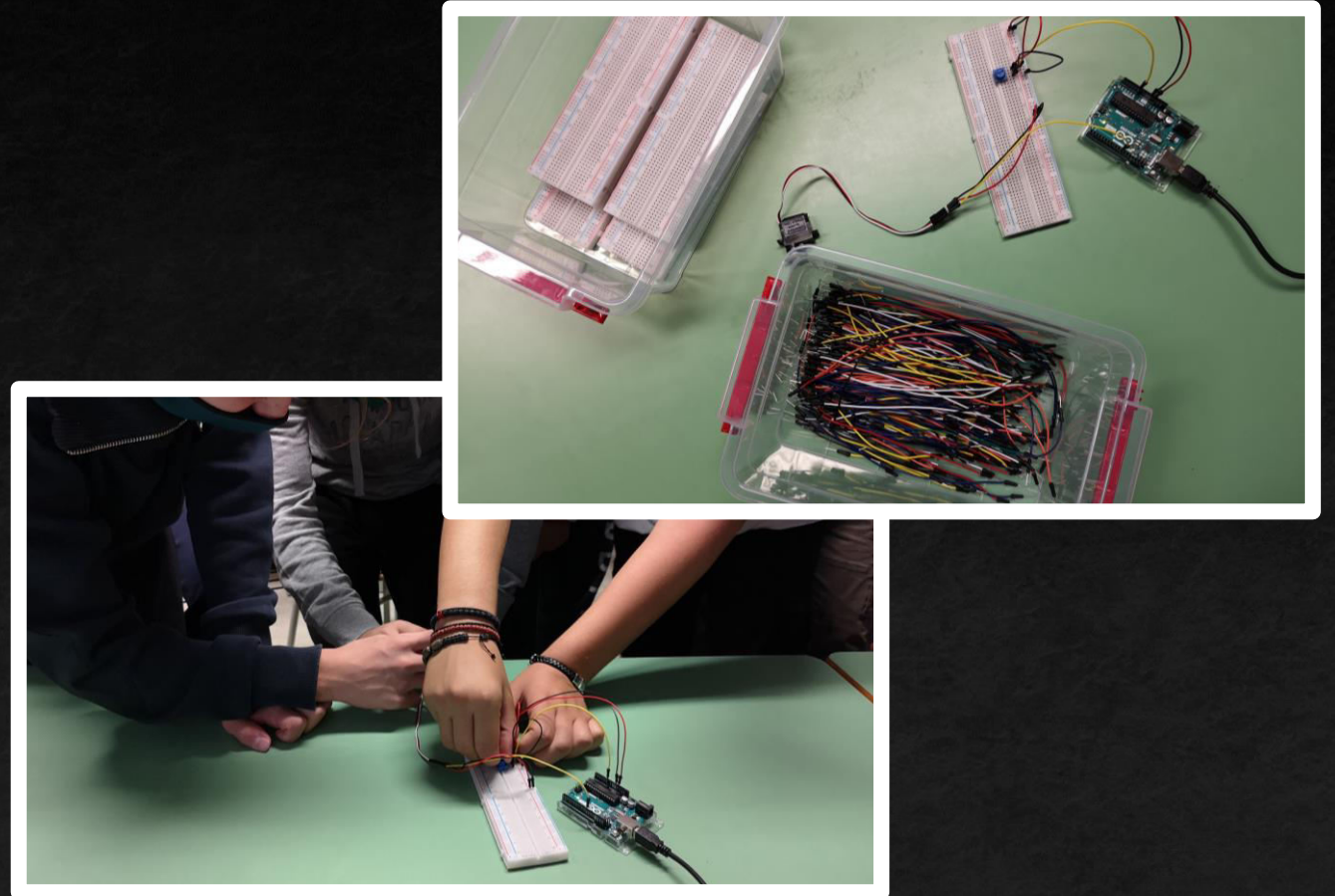
My Way of Learning

I really enjoyed the fact that for the first time in my school I learned something by using my hands!

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Building My Future

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Building My Future

It's really beautiful to be able to put together machinery that can serve the everyday needs of human beings. I wish that when I've finally graduated from my school, I'll be able to work further on such matters, even on a professional level.

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