

CodER

Teaching coding and microcontrollers to young people through Virtual Escape Rooms



CodER's First Project Result

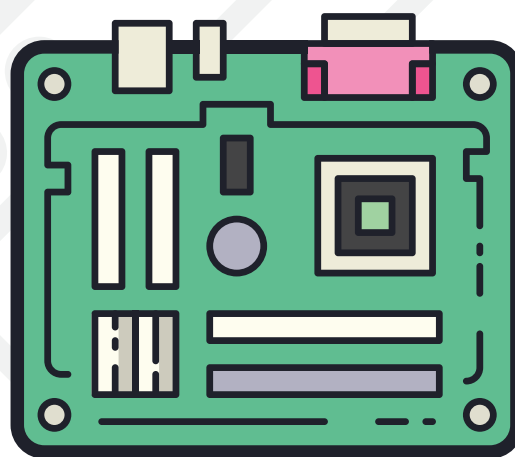
The CodER Module represents the first step towards realising the CodER project's aim to bridge the digital skills gap by transferring knowledge to youth workers and organisations and, in turn to young people.

This module provides the basics of programming and microcontrollers based on real-life examples to make its content relatable to everyday usage. It attempts to instil the logic behind programming and microcontrollers to promote the cultivation of critical thinking, creativity, and problem-solving skills, among other skills necessitated in the modern labour market.



Learning Objectives of the CodER Module

- Recognise the value and usage of programming
- Comprehend the flow of execution in programs
- Use basic syntax to access, modify, and delete different data types in Python
- Use Python to build small programs
- Recognise what a microcontroller is and be able to identify the different types of microcontrollers
- Differentiate between Analog and Digital Input/Outputs (I/O)
- Use the basic syntax of Arduino IDE
- Execute different examples of Arduino IDE and microcontrollers



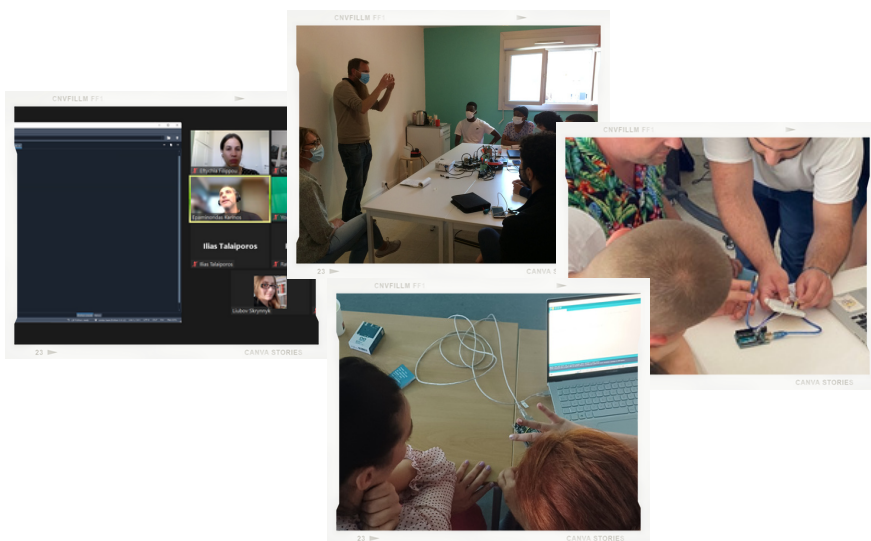
The CodER Module's Impact

The CodER Module aims to raise awareness on the importance of programming, not only for programmers but for young people in every field discipline who are seeking to cope with the rapidly evolving age in which we live and be competitive in the labour market. Thus, PR1 develops youth workers' knowledge of programming and microcontrollers by offering them a complete module through which they will learn what is needed and be able to transfer their knowledge to young people via educational escape rooms developed in the following project results.

Completing the CodER Module

The consortium's dedication and hard work have paid off with the completion of our first project result. After developing the content, pilot tests were conducted across the four European countries participating in this project - France, Greece, Cyprus and Croatia - to ensure the quality and effectiveness of our module in achieving the learning objectives and expected impact.

We are happy to announce that the pilot tests were very successful! The participants provided us with positive feedback and expressed their interest in continuing to learn more about coding and microcontrollers. As our first project result has been completed, the CodER module is now available on the project's website in all the partner languages (EN, FR, EL, CR) as an OER. We are excited to continue our journey to the next project result: the CodER Methodological and Pedagogical Guide. We are just getting started; stay tuned for more!



Partnership

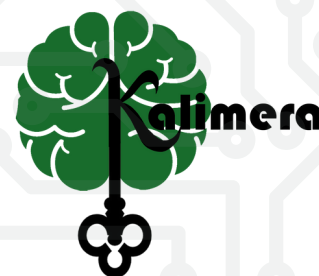


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Stay tuned for:

**The CodER
Methodological
and Pedagogical
Guide**

