EMPHASYS CENTRE

Erasmus+ Courses

The RoboKIT – The secrets of organising Coding and Robotics camps

Robotics goes to camp! Coding and Robotics School: An intensive week course for youth workers and primary school teachers who are interested in organizing a Coding and Robotics camp for teaching technology, programming and computational thinking using Edison Robots. Why Edison? Edison is a super affordable educational robot from Australia which has been design especially for educational purposes, suitable for beginners, it is LEGO compatible and it comes with a variety of freely available educational resources. The course offers the completed Tool KIT: all the relevant material which is essential for the implementation of a Robotics camp: ICT Guides (Framework, Syllabus, Teaching Material) on Coding and Robotics, as well as the booklet with all the practical information about the camp (registration form, parental consent, weekly schedule, visits and activities, evaluation forms, etc.). This courses values and encourages creativity, confidence and hands-on experience with different game-based activities. Our curriculum promotes 21st century skills like problem solving, critical and computational thinking and develops communication and collaboration. By the end of the course, your students will have improved their STEM skills in an interactive and fun way.

CULTURAL EXPERIENCE

- A multicultural and diverse experience
- Rich cultural program
- Visits to schools
- Nicosia City Walk & Bicycle tours

POSSIBILITIES FOR FUNDING

- Schools, organisations, non-governmental organisations (NGOs) can apply for staff mobility funding to support the professional development
- Funding is offered through the Erasmus+ program under the KA1(Key Action 1) Learning Mobility of Staff

EXPERT ADVICE AND GUIDANCE

- Staff made of qualified, experienced, dedicated and enthusiastic teachers
- Main objective is to implement a high quality training course, which will lead the learner to success

CONTACT US FOR SUPPORT

- Individual guidance and support for the application process can be provided
- Useful information and step-by-step guidance can be found on our website
- You can also contact us by email or telephone for any inquiries you may have

MON — Get familiar with the "Coding and Robotics" platform; creation of profiles, registration in courses, evaluate and validate skills using Open Badges, setup a discussion forum.

TUE — What is programming? Why programming is important? Introduction of the basic concepts of programming with the use of the Visual Basic programming language.

WED — Program the Edison robot with ready-made barcode. Get acquainted with the sensors and motors of Edison.

THU — Program Edison robot with EdBlocks and Edware programming interfaces; discussion on the most suitable programing interface for a group of students.

FRI — Construct and program using variables, conditional logic and looping actions

SAT — Workshops-Presentation's-Portfolio-Evaluation

COUNTRY: CYPRUS
COST: €420 (FULLY FUNDED)
TARGET: YOUTH AND (PRIMARY-SECONDARY) TEACHERS
LANGUAGE: ENGLISH, GREEK

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