

EMPHASYS CENTRE

Erasmus+ Courses

ROBOTICS FOR EDUCATORS: BEING A TEACHER IS NO LONGER BORING!

Robotics! The fundamental tool used by modern classrooms in order to teach in an entertaining and interactive way Science, Technology, Engineering and Mathematics (STEM) to students. Through this course you will get acquainted with some of the most used Robotics Platforms available for today's classroom.

Join us on our journey to the wonderful world of LEGO Mindstorms EV3 the most advanced LEGO robot today, LEGO BOOST the Golden Toy award winner of 2017, and Edison the super affordable educational robot from Australia. Learn how to construct a robot, connect and use the programming interface, understand and control the various sensors and motors, and how to create and run programs. The course covers introductory programming topics such as using variables taken from the robot's environment, programming conditional logic, and looping actions to run code repeatedly. By the end of the course, you will have the skills to bring your own robotic creations to life and gain the tools to create fun, interactive and educational activities for your students.



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

Construct and program a tracker robot with Lego Mindstorms EV3 by utilizing the infrared and color sensors.

TUE

Construct and program a humanoid robot with Lego Mindstorms EV3 by developing conditional logic and looping actions.

WED

Construct and program a Lego Boost Multi-Tooled Rover robot. Get acquainted with the sensors and motors of Lego Boost.

THU

Construct and program a Lego Boost Animal-Cat robot. Program the Edison robot with ready-made barcode scanners.

FRI

Program Edison robot with EdBlocks, Edware and Edpy programming interfaces. Discussion on the most suitable programming interface for a group of students.

SAT

Workshops-Presentation's-Portfolio-Evaluation

COUNTRY: CYPRUS

COST: €420 (FULLY FUNDED)

TARGET: YOUTH WORKERS AND (PRIMARY-SECONDARY) TEACHERS

LANGUAGE: ENGLISH, GREEK



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