

emphasys centre

Erasmus+ Courses

STEAM Course for Secondary Schools



This course is based on Lego Mindstorms using the Python programming language and Arduino robotic kits using the C++ programming language. 3D Printing and 3D Modeling will be used for creating autonomous cars, drones and humanoid robots together with Arduino Uno, Arduino Nano and Raspberry Pi circuits.

In Video Game Design the Unity platform is used with the C# programming language for learning object-oriented programming to create objects and characters with different attributes reflecting the real world such as Virtual Reality simulations.

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 Introduction to Lego Mindstorms using Python Programming.

TUE Introduction to Arduino robotics using C++ Programming language.

WED Introduction to 3D Design using TinkerCAD and 3D printing.

THU Introduction to Video Game Design, using the unity platform with the C# programming language.

FR Continuing with Video Game Design and importing designs to VR headsets (Oculus Rift S).

SAT Workshops-Presentation's-Portfolio-Evaluation

COUNTRY: CYPRUS

COST: €420 (FULLY FUNDED)

TARGET: YOUTH WORKERS AND (SECONDARY)

TEACHERS

LANGUAGE: ENGLISH, GREEK



<https://emphasyscentre.com/ict-training/european-courses/#courses>



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Erasmus+

