learningtogether
siner advanced skills institute

ERASMUS+ STRUCTURED COURSE | SCHOOL APPROVAL SUMMARY

Hands-On STEM – Coding & Robotics

A concise, shareable overview for teachers, school leaders and Erasmus+ mobility coordinators.

Course code	LTMBOT87	**Language**	English
Destination	Porto, Portugal	**Subject level**	Basic to Intermediate Professional Literacy
Format	On-site · 6-day programme	**Audience**	STEM teachers, trainers & education professionals

Educational purpose

Bring STEM learning to life through hands-on experiments, introductory coding, robotics simulations and creative engineering challenges.

Learning objectives & outcomes

- Hands-On STEM Learning Foundations
- Educational Robotics & Simulation
- Engineering Design & Prototyping
- Inclusive & Collaborative STEM Learning
- Computational Thinking & Introductory Coding
- Scientific Inquiry & Experimentation
- Mathematics & STEM Problem-Solving
- STEM Learning Design & Classroom Transfer

Learning activities and methodologies

Programme format: **6-days (30h)**. Participants practise STEM inquiry through hands-on experiments, introductory coding and robotics activities using simulations or available equipment. Collaborative engineering challenges encourage them to build, test and improve simple solutions, connect scientific and mathematical concepts, and design inclusive STEM learning activities that can be adapted to their own classrooms.

Documentation, materials and practical arrangements

Certificate of Attendance: issued for participants meeting the 80% minimum attendance requirement. **Learning Agreement** and **Europass Mobility support** are provided where agreed and relevant; if you need support for additional documents contact our team. Participants have access to a dedicated folder with digital course materials, resources and evidences. **Materials to bring: Laptop.**

Locations, fees and booking

Course location: Porto. **Fees per participant:** 6-day: €580. Current edition dates, confirmation status, fee and inclusions must be verified before making non-refundable travel commitments. Pre-enrolment is non-binding and is not a booking confirmation.

Course details · **Live course calendar** · **Mobility documents**

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