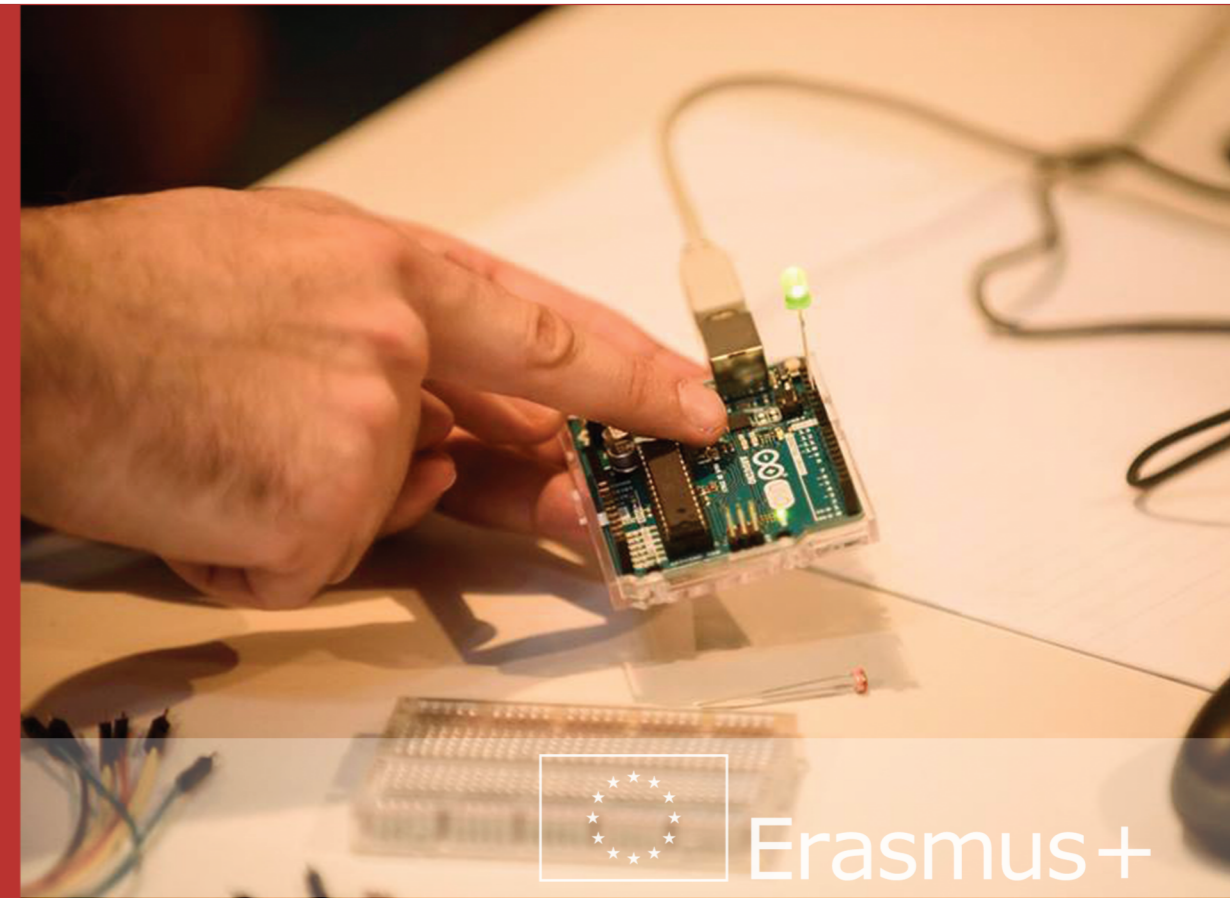


MOTIVATING SECONDARY SCHOOL STUDENTS TOWARDS STEM CAREERS THROUGH ROBOTIC ARTEFACT MAKING

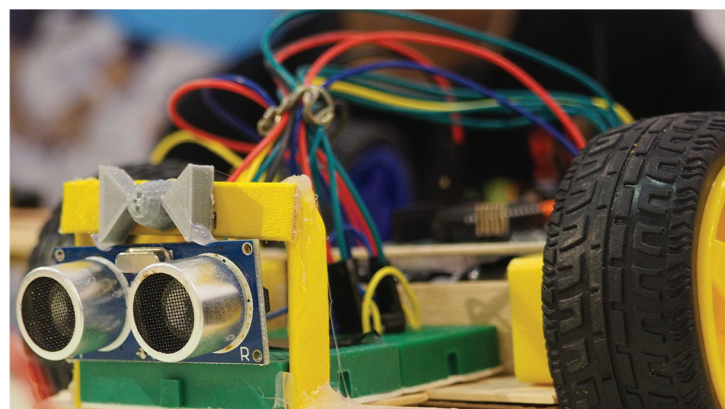
NOVEMBER 2018 - APRIL 2021

ERASMUS+ 2018-1-PL01-KA201-051129



OUTPUTS

- The technical tutorial
- 6 interdisciplinary projects for robotic artefact construction
- The teacher training curriculum & Open Educational Resources
- STEM Clubs establishment guidelines
- RoboScientists online class
- The validation report
- Workshops & events for public



AIMS & OBJECTIVES

- STEM + HANDS ON + ROBOTIC ARTEFACT CREATION
Motivate school students (13-17 years old) to explore STEM disciplines by engaging them in creative hands-on practices towards robotic artefact creation
- Teacher professional growth
Enact activities and workshops that promote teacher professional growth and development
- Motivating interest in STEM
Motivate students in developing interest in STEM studies and careers by engaging them in making practices following the ideas underpinning the Maker Movement pedagogical trend
- Equal opportunities
Encourage equal opportunities in STEM education for boys and girls
- OERs for school community
Create OERs that will support school community members to apply the RoboScientists learning intervention
- Building synergies for STEM Club establishment
Build synergies among schools, business and academia towards STEM Clubs establishment in school settings

GET INVOLVED

Would you like to:

1. learn more about the RoboScientists learning intervention and initiative?
2. join the RoboScientists online class?
3. have access to our educational resources?

GET IN TOUCH

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