

STEM BY



Improving educators' skills in inclusive STEM lessons creation

Social Media



Partners



Coordinator
139th innovative school
Zacharii Krusha - Bulgaria
139ou.com



Know and Can - Bulgaria
www.knowandcan.com



CESIE - Italy
cesie.org



IS "Duca Abruzzi - Libero Grassi"
Italy
www.isducabruzzo-grassi.edu.it



INSTALOFI LEVANTE SL - Spain
www.fygconsultores.com



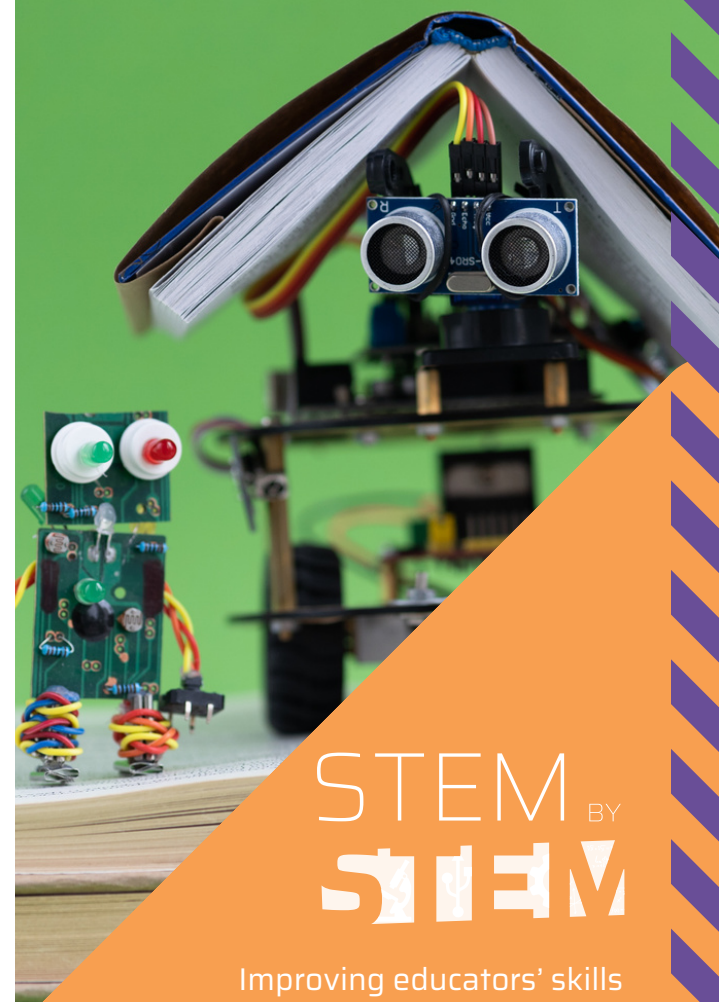
CARLOS V SOCIEDAD
COOPERATIVA DE ENSEÑANZA -
Spain
colegiocarlosv.es



S.C. PREDICT CSD CONSULTING
S.R.L. - Romania
predictconsulting.ro

Project Number: 2022-1-BG01-KA220-SCH-000088580

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.



STEM BY



Improving educators' skills
in inclusive STEM lessons creation



Co-funded by
the European Union

The project

STEM by STEM - Improving educators' skills in inclusive STEM lessons creation

aims to create and make available to teachers and educators accessible, easily-implemented STEM educational resources to raise students' interest over STEM and improve their science literacy.

The project goal is to support students in developing a STEM vision to promote their education as active and aware citizens.

The project is co-financed by the Erasmus+ KA220-SCH - Cooperation partnerships in school education.

Objectives



Strengthen the knowledge of teachers and educators through appealing approaches to STEM education, through practice-based learning and the development and promotion of effective and innovative methodologies.



To sustain STEM teachers and educators in their continuous professional development by giving them access to open educational resources and tools and concrete educational opportunities.

Activities and resources

- **Empirical research paper** with an overview of existing methodological approaches and tools to implement STEM lessons.
- **Toolkit with guidelines** for the creation of ready to implement STEM lessons related to programming, 3D printing, electronics and robotics, including resources and tools aiming to enable the teachers to use existing STEM resources.
- **Online WIKI** with STEM lessons and resources directed to teachers and educators to be of help in lessons planning.
- **International training for teachers and educators** on the development of STEM lessons related to programming, 3D printing, electronics and robotics.
- **National workshops** in each partner country with the participation of teachers/educators in the co-creation of STEM lessons directed to students (from 6 to 14 years old).
- **STEM by STEM national events** in each partner country at the end of the project to spread information about the project activities and results.

