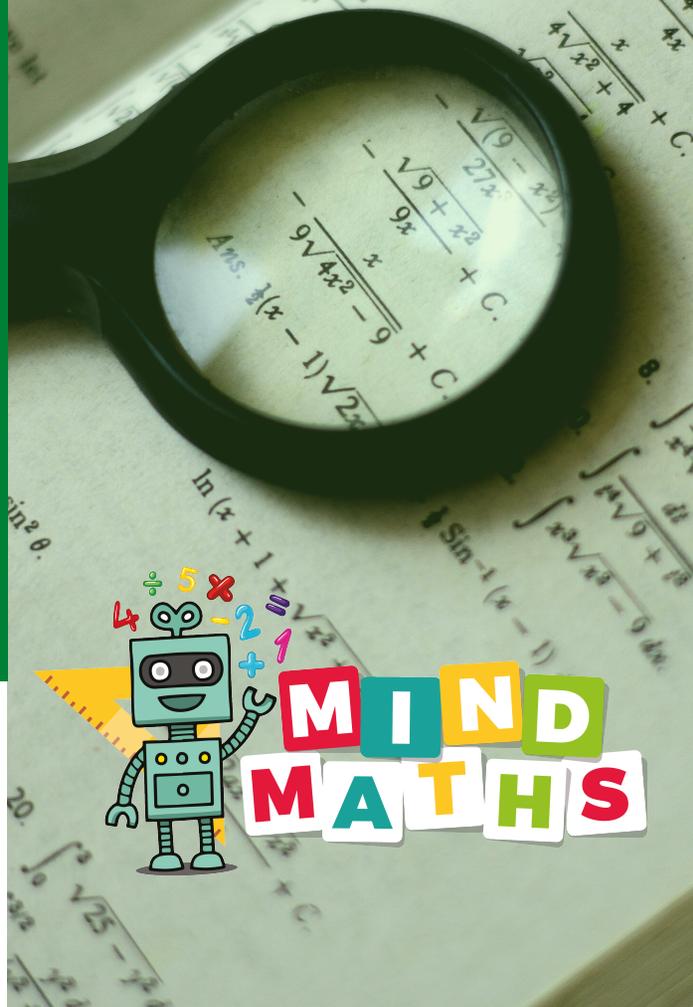


Flipped Learning Practices to Release Maths Anxiety with the Use of Robotics



Aims and objectives

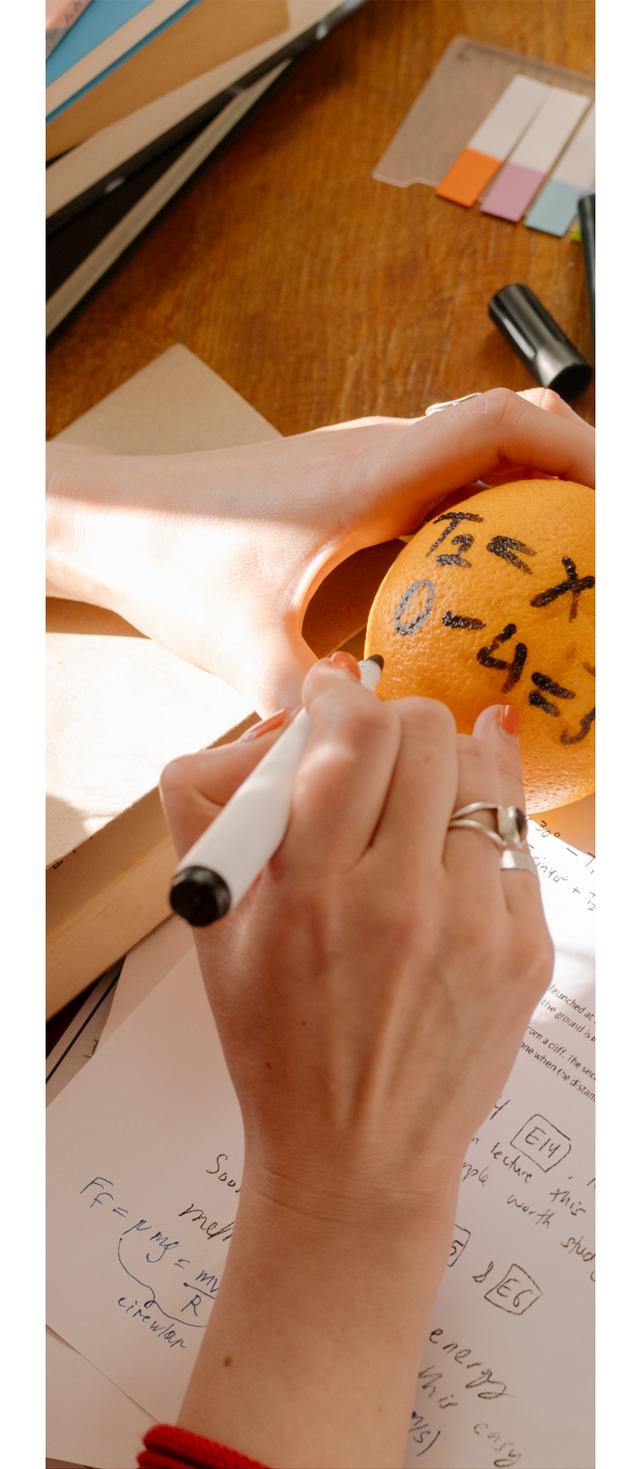
The purpose of the project is to close skill gaps of undergraduate students, who will work at primary schools, in solution processes of possible challenges related to students with MA by developing;

a- A modular curriculum designed with flipped learning approach including step-by-step hands-on learning practices and the use of online learning materials,

b- A video library including scenario-based learning/teaching activities for the use of robotics in mathematics education in primary school

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IMPACT ON UNDERGRADUATE STUDENTS;

*The project activities will directly impact on the acquisition of professional skills which make undergraduate students enable to respond to academic, social and emotional needs of children with Maths Anxiety.

*This project will give a chance to undergraduate students who will work with these children, to apply effective teaching activities to meet their needs.

*The project will raise awareness of classroom management strategies to involve all students in learning activities in a safe and positive environment.

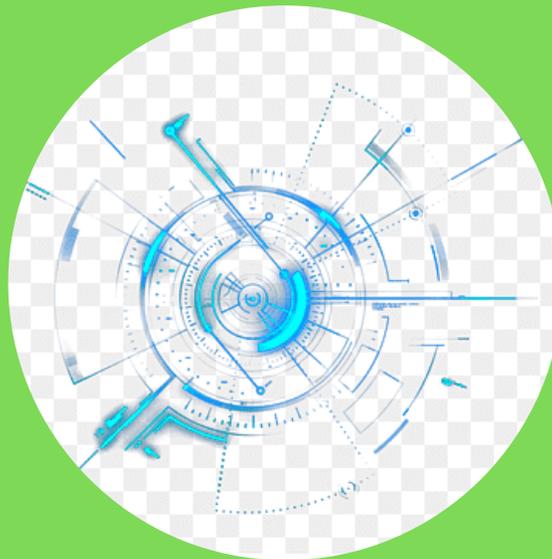
*This will lead undergraduate students to practice innovative and interactive classroom management strategies and they will display desired approaches, attitudes and behaviours so the project will indirectly have contributed to the constitution of supportive and encouraging learning/teaching environments in primary schools.



PROCESS-ORIENTED RESULTS

1- Undergraduate students will be involved in the project practice. They will learn effective classroom management strategies and the use of robotics in blended learning practices for children with Maths Anxiety. While learning, they will experience the most likely situations in a classroom environment more intensively, which will facilitate them to gain more insight into teaching practice

.2- The practical implementation of the project outputs will contribute to the strengthening of a sustainable European Area of Higher Education in the mathematics education field, MA in particular.



PROCESS-ORIENTED RESULTS

3- It will contribute to the flow of information in and out of Europe by attracting teaching professionals to use the modular curriculum designed with flipped learning proposed by this project to overcome challenges that they face and implement successful classroom management.4- The project will support cooperation, mutual interaction, including cultural integration, capacity building and know-how exchange between institutions working on the primary school teaching in a perspective of mutual interest. Furthermore, a standard research sample will be developed and implemented during the project practice.