# NEWSLETTER

AIMS

The purpose of this project was specified as closing skills gaps of undergraduate students, who will work at primary schools, in solution processes of possible challenges related to students with MA by developing:

A. Modular Course Curriculum to Encourage the Use of Robotics Applications for Flipped Learning in Primary School Maths Education

B. Virtual Video Library with Robotics Practices consisting of Scenario-Based Learning and Teaching Processes

C. Teacher Guide: Applying Flipped Learning through Robotics Practices in Primary Schools
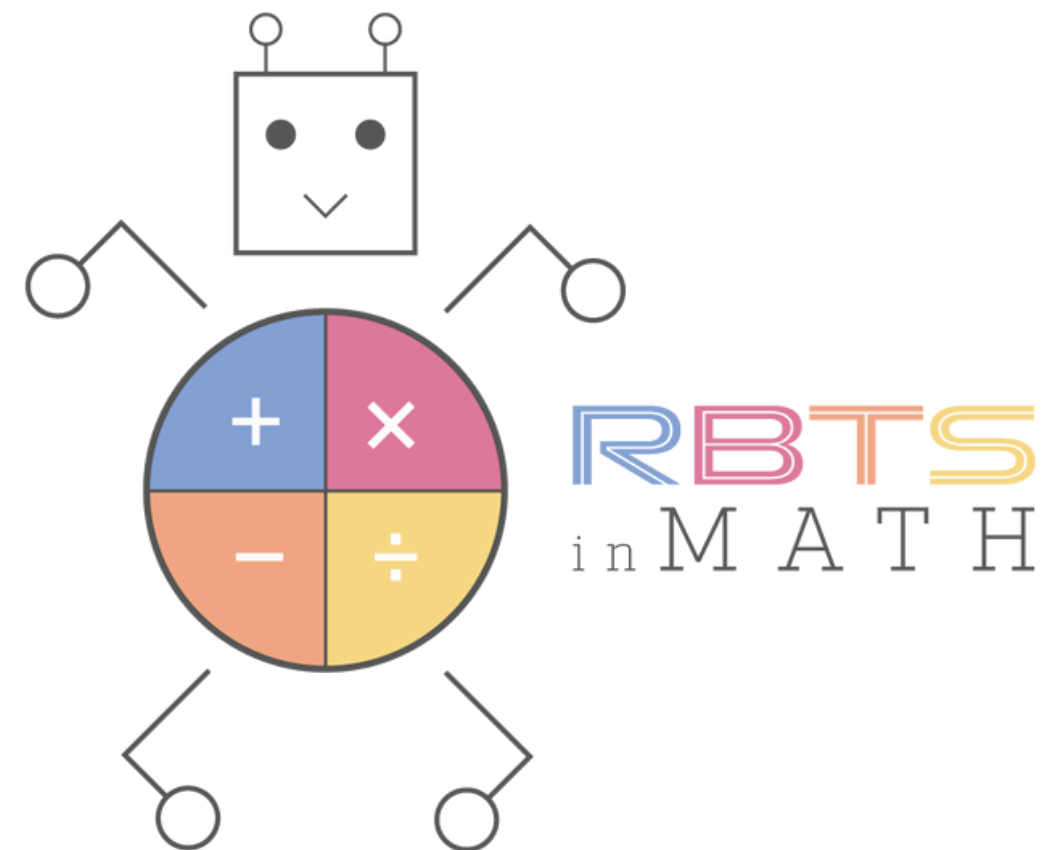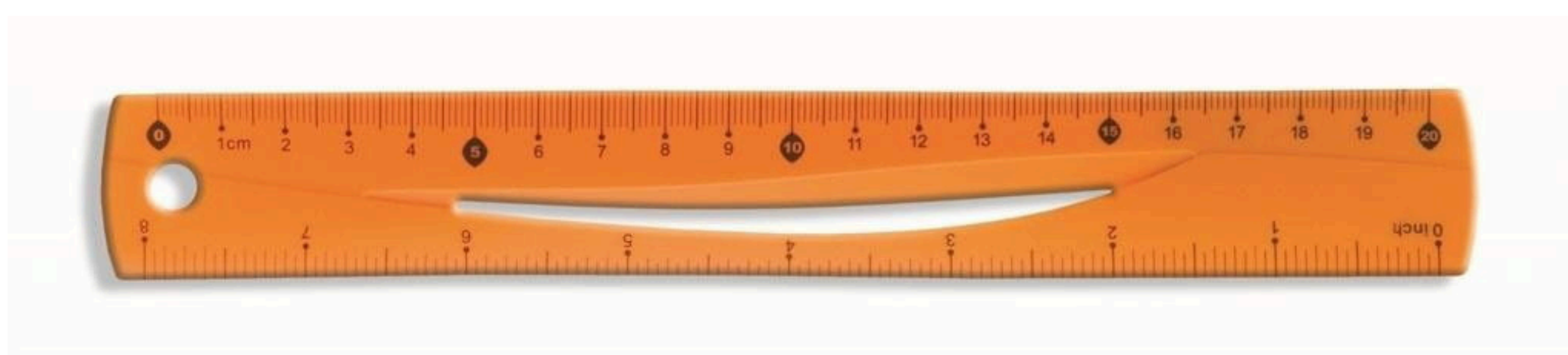
RBTS in MATH

RbtsInMath - Developing Mathematics Achievement through Using Robotics Applications in Flipped Learning
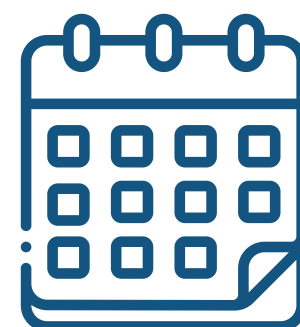
1/11/2022 - 28/02/2025

- Prospective teachers
- Primary school teachers

Co-funded by the European Union

WORK PACKAGE 2 - DEVELOPING MODULAR CURRICULUM WITH ROBOTICS APPLICATION FOR FLIPPED LEARNING

As part of Work Package 2, the Partners carried out a Literature review of the subject, both at national and European level, and learned about the opinions and needs of prospective teachers and educators with regard to the use of robotic applications for teaching mathematics and reducing math anxiety. The work has resulted in the design of a Modular Curriculum, consisting of 10 topics. Each partner institution piloted the material with teachers and prospective teachers to get the opinion of the final users.
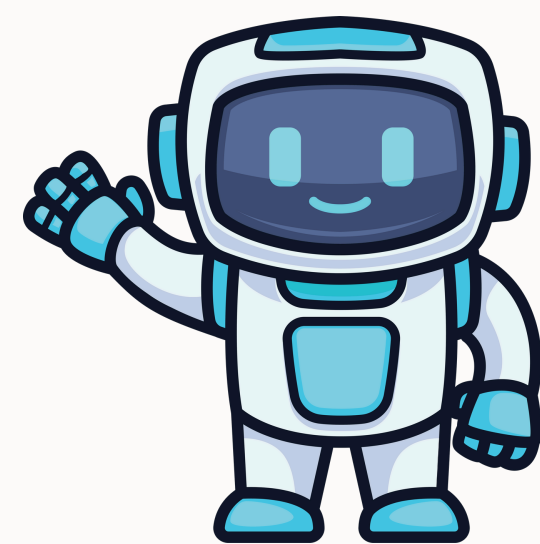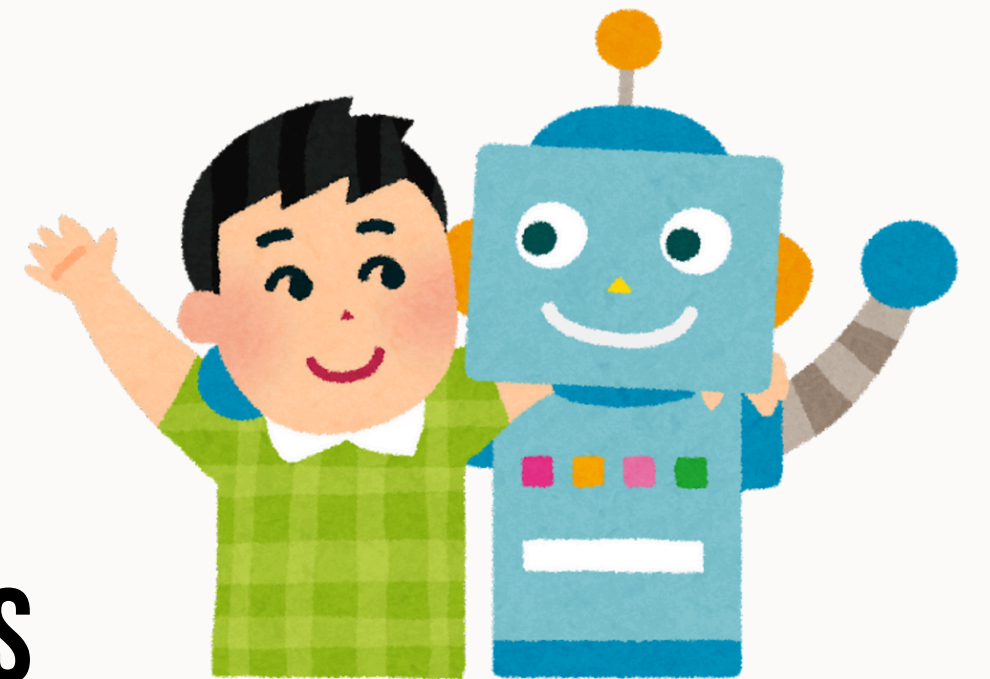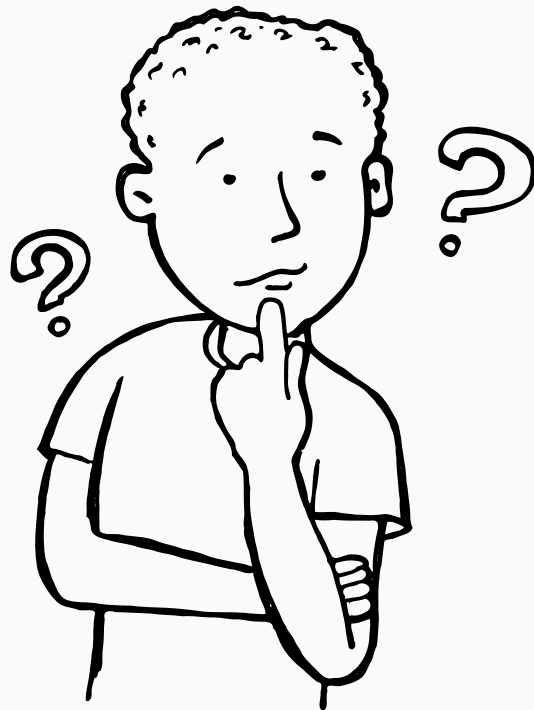
Co-funded by the European Union

WORK PACKAGE 3 - VIRTUAL VIDEO LIBRARY WITH ROBOTICS PRACTICES

The Virtual Video Library with Robotics Practices consists of Scenario-Based Learning and Teaching Processes. This Work Package aims to contribute to the development of innovative learning and teaching activities. At the same time, it will enable pre-service teachers to achieve excellence in learning and teaching by improving their robotics skills. The library will provide the pre-service teachers the sample video clips and PowerPoint (PP) animations of the application of tens of digital pedagogy in lessons. Pre-service teachers will easily find video and animated PP examples on how to use maths education on flipped learning, distance education or digital supported education and the platform will be able to easily transfer them to learning and teaching activities in the digital environment.
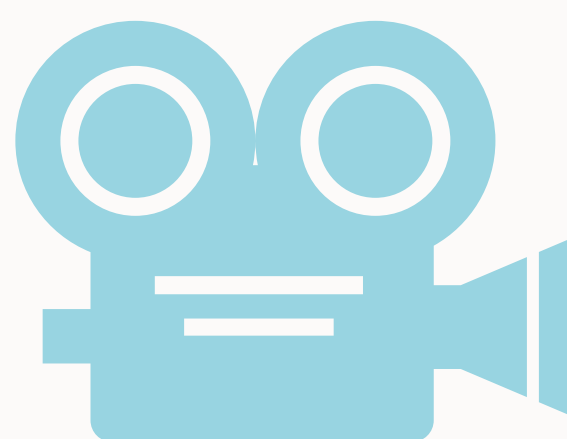
2ND TRANSNATIONAL PROJECT MEETING IN SIBIU, ROMANIA

On 19-20 September in Sibiu, Romania, the project consortium held its next face-to-face meeting. Project partners from Poland, Italy, Turkey and Latvia were hosted by Romania's Lucian Blaga University of Sibiu.

The aim of the meeting was to summarise the work carried out so far. Partners discoussed the implementation of Modular Curriculum. The next step will be to develop a Virtual Video Library with robotics practitioners.

Traditionally at the meeting, the Partners also discussed issues related to project management, quality assurance and dissemination of the developed results.

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Consortium

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DIN SIBIU