

## MathE – Improve Math skills in Higher Education



**Duration:** 30 months

**LIT Project Budget:** €81,404

**Total Project Budget:** €368,361

**Summary:** The MathE project is funded by the European Commission through the Portuguese National Agency for the Erasmus+ Programme with the aim of enhancing the quality of teaching and improving pedagogies and assessment methods.

### **Objectives and aims of the project:**

Context: Students of scientific and economics subjects at higher education level often lack the basic math skills to effectively follow their lectures

### **Objectives:**

Enhance the quality of teaching and improve pedagogies and assessment methods by:

Facilitating the identification of students' gaps in Math

Providing Math teachers with appropriate digital sources

Enhancing transnational sharing of innovative teaching sources

### **Target Groups**

The main target groups of the project are:

Math Lecturers

Math Students at university level

Policy Makers in the Field of Education

### **Activities**

The project activities will be organized in the following phases:

Phase 1 – Students' Assessment Toolkit

This phase is devoted to to identify the areas where the students' maths entry skills need to be improved. It foresees a section for the students to self-assess their knowledge and a section to provide teachers with final tests to assess students' knowledge

Phase 2 – Online Math Library

This phase is dedicated to the creation of a section to offer students and teachers of higher education institutions video based teaching and learning sources to reinforce specific mathematical topics

### Phase 3 - Community of Practice

This phase is dedicated to the creation of a community of practice allowing Math teachers in higher education institutions to share and compare teaching sources, tools and strategies

### Phase 4 - Testing

Each of the deliverables produced will be tested with the representatives of the target groups. The testing phase allows the collection of relevant feedbacks from the end users in order to further improve the deliverables produced and create results that are fully consistent with their needs and expectations.

### Phase 5 - Multiplier events

A number of multiplier events will be organized to disseminate the results reached, the methodology implemented and output produced in the MathE project. The participants in the multiplier events will be higher education lecturers and students.

### **Expected Results**

The main project deliverables include:

Students' Assessment Toolkit

Online Math Library of Video Lessons and Educational Material

Teachers' and Students' Community of Practices

### **LIT Activities (Development Unit):**

**Project Website:** <https://mathe.pixel-online.org/index.php>

**Project Officer:** to be advised

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