Training Course for the MATHLabyrinth Method of Teaching Mathematics

Programme

	6 HOURS PER DAY	LEARNING OUTCOMES
DAY1	A. Introduction to the MATHLabyrinth Project and MathLabyrinth Method Good Practices in PPT presentation with links to the data base B. Presentation of the Guidelines and discussion. Web registrations, setup of connections to the platform.	Review and define the new method of Mathlabyrinth Demonstrate and classify related good practices Apply the guidelines Associate with the platform
DAY2	A. How a problem is developed under the MathLabyrinth Method. Examples from the Platform (Practice Mode/ Test Mode) B. ICT tools needed to solve problems on the platform. Presentation and usage of such tools(open educational resources)	Synthesize and Apply the method Identify the tools they need and integrate into a math problem
DAY3	A. Trainees create problems using the MathLabyrinth Method B. Digitalizing the problem and uploading to the Platform	Construct, create and design a problem under the MathLabyrinth method Formulate and illustrate math problems in digital form
DAY4	A. Digitalizing the problem and uploading to the Platform. Preparation for presentation. B. Presentation of the problems by the trainees. Discussion and peer evaluation. Discuss motivation of pupils in using the platform	Assess and evaluate their creation and prepare for presentation Demonstrate and debate their work

The learning objectives of this course is to train teachers in developing the knowledge and skills for applying the MATH-Labyrinth method and its main tool, the platform which served as an interactive book for use in their teaching practice.

With the completion of the course the teachers will be able to teach mathematics using the method and to be able to develop the analytical and critical thinking of their pupils in the secondary level of education. Teachers will now have access to a full set of math problems connected with problems of real life and be able to support their pupils to become creative.

The e-learning platform has a practice and test mode allowing teachers and pupils to use it effectively. Additional open educational resources will be introduced to the teachers.

Teachers would gain knowledge and practice about using different instruments for measuring the students' performance in the classroom. Instruments for evaluation of the participants' performance during the training course will be part of this output, as well as methods for testing the effectiveness of the course.