

Description of the mobility experience

21 OBJECTIVE OF THE MOBILITY EXPERIENCE *

The teacher will gain new insights, strategies, and approaches to teaching mathematics and interdisciplinary subjects, enhancing her effectiveness as educator and contributing to the improvement of teaching practices in her respective schools.

22 EDUCATION OR TRAINING INITIATIVE IN THE COURSE OF WHICH THE MOBILITY EXPERIENCE WAS COMPLETED

Erasmus+ KA210: "Maths Empower: Breaking Barriers, Building Bridges"

23 COMMUNITY OR MOBILITY PROGRAMME INVOLVED

Erasmus+ 2024-2-PL01-KA210-SCH-000257470

DURATION OF THE EUROPASS MOBILITY EXPERIENCE

25 * FROM 26 * TO

dd mm yyyy dd mm yyyy

Skills acquired during the mobility experience

26A ACTIVITIES/TASKS CARRIED OUT *

Day 1:

- Welcome session and pre-questionnaire of the mobility. Presentations by the host country about their country, education system and culture.
- Session 1: Study Skills Workshop: effective study skills, time management, and learning strategies to enhance students' academic performance.
- Session 2: Challenge: "Beads in a Jar" - a hands-on activity involving probability and statistics, exploring concepts of chance and uncertainty.

Day 2:

- Session 1: Math + ICT Connections: Creating Robotic Systems. Designing and programming robotic systems using mathematical concepts such as graphing functions and control algorithms.
- Session 2: Math + ICT Connections: Encoding and Cryptography
- Session 3: Math-Music Connection: exploring the relationship between mathematics and music: rhythm, harmony, and patterns in music compositions, music algorithms.

Day 3:

Cultural trip to Ephesus

Day 4:

- Session 1: Math + Biology Connection: exploring the interdisciplinary connections between mathematics and biology, highlighting applications in fields such as genetics, ecology, and epidemiology, ecosystem analysis.
- Session 2: Challenge: "Harvesting and Calculation": a hands-on activity involving planting and harvesting crops, followed by calculations to determine crop yields.
- Session 3: Famous Mathematicians Role-play activity: a role-play activity portraying famous mathematicians
- Session 4: Class Observation (Maths): observing mathematics lessons in action
- Closing: Reflections, post-questionnaire, certificate of participation

27A JOB-RELATED SKILLS

New insights, strategies, and approaches to teaching mathematics and interdisciplinary subjects

28A LANGUAGE SKILLS

The training was held in English. The participants improved their English competencies (especially spoken, interaction and production)

29A COMPUTER SKILLS

N/A

30A ORGANISATIONAL/MANAGERIAL SKILLS

Gained experience in project management, time and resource allocation, team coordination, collaboration with international partners, and dissemination of results within the educational community

31A COMMUNICATION SKILLS

The participants demonstrated an improvement in communication skills, particularly through the effective presentation of information and active participation in discussions.

32A OTHER SKILLS

The participants refined their intercultural competence and knowledge of other cultures by interacting and working with colleagues from other countries.

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This LTTA activity is designed of promoting interest and excellence in STEM education, fostering cross-cultural exchange and collaboration, and enhancing participants' understanding and appreciation of mathematics.

This LTTA aims to inspire and empower participants to pursue STEM education, foster cross-cultural exchange and collaboration, and demonstrate the relevance and practical applications of mathematics in various contexts.

Through a combination of workshops, challenges, and experiential learning opportunities, participants will gain valuable insights and skills to support their academic and personal development.

The mobility is expected to empower participants to become more confident, capable, and engaged learners, equipped with the skills and motivation to succeed academically and professionally, while also fostering greater cross-cultural understanding and collaboration among participants.

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22	09	2025
dd	mm	yyyy

 26 * TO

26	09	2025
dd	mm	yyyy

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- Closing: Reflections, post-questionnaire, certificate of participation

27A JOB-RELATED SKILLS

Enhancing academic performance and supporting excellence in mathematics education. Critical thinking and problem-solving skills in mathematics and statistics.

Confidence and a positive attitude towards mathematics.

Designing and analyzing encryption algorithms.

Creating real-world applications of mathematics in Biology.

Creating algorithms that produce music

28A LANGUAGE SKILLS

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