



**GAMMA** is the acronym of the project *GAME-based learning in MATHematics*, which is a three-year Erasmus+ project, started on 1 October 2020.

### GAMMA Training in Finland

The physical GAMMA Learning, Teaching and Training Activity (LTTA) in Finland took place on January 16-20, 2023 in Pori. On Monday 16<sup>th</sup>, Wednesday 18<sup>th</sup>, Thursday 19<sup>th</sup> and Friday 20<sup>th</sup> of January, the activity took place in Satakunta University of Applied Sciences, while on Tuesday 17<sup>th</sup>-January it was held in Porin lukio general upper secondary school.

The meeting was organised by the members of the Finnish GAMMA partners, i.e., Satakunta University of Applied Sciences and Porin lukio general upper secondary school. A total of thirty participants from four partner countries took part in the activity (28 physical participants and 2 virtual participants).

The main purpose of the GAMMA LTTA in Finland was to collect feedback from piloting, discuss finalisation of the results, plan dissemination activities and also to become familiar with the Finnish education system and culture.

An interesting and valuable LTTA programme included:



- **three presentations:** about the *Finnish educational system*, the *dissemination responsibilities in the GAMMA project* and *teachers' technology teaching*;
- **two excellent and inspiring lectures** delivered by the invited lecturers: one about *gamification and serious games in health and well-being*, enriched with demonstrations in the RoboAI laboratory and another titled *Cognitive AI in Educational Planning*;





- several workshops: on feedback from piloting, on the dissemination activities, and one workshop where the teachers planned new scenarios, while university partners reviewed the project results;
- visit to *Porin lukio general upper secondary school*, where the participants also had the opportunity to try the mathematics matriculation exam;
- visit to *RoboAI laboratory of Satakunta University of Applied Sciences*, including the following workshops: ABB IRB120 robot, Omron LD-90 mobile robot, 3D printing and machine vision; all participants were able to be involved in programming and experimenting themselves;
- handbook session, where all participants made short videos about each game.

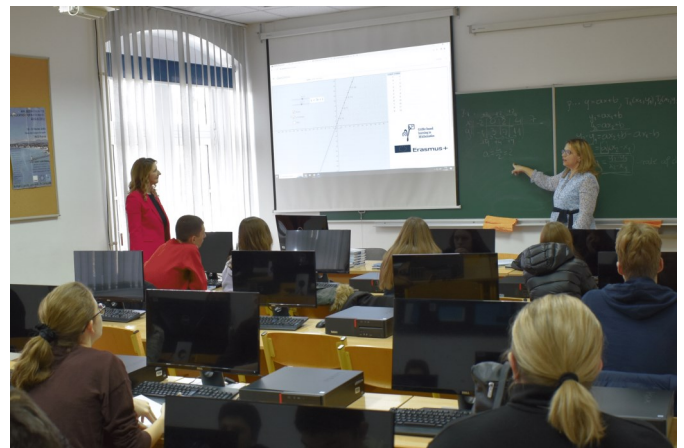


Spending time together in Finland was a really great experience and a good opportunity for the participants to get to know each other better and at the same time to create positive teamwork. In addition to this, the participants took part in various social events where they got to know the Finnish culture, history, food, music, sports and nature.



### GAMMA Dissemination Activities

MATHOS team members M. Jukić Bokun and M. Ribičić Penava held a workshop *Let's play with the properties of a linear function* based on the *Function Dungeon* game with first-grade high-school students. The workshop was held in February 2023, in Osijek (Croatia), within the framework of the *Winter mathematical school*.



Furthermore, the article about the GAMMA project was published in the professional and educational journal *Osječki matematički list*, and it was authored by MATHOS team members M. Jukić Bokun, Lj. Jukić Matić and D. Marković.

### Announcement of the Next Training Activity

In April and May 2023, official dissemination activities intended for local mathematics teachers will be held in partner countries. In these workshops, the teachers who are not project members will be introduced to the results of the project. Workshops will be organised by partner schools from Croatia, Finland and Greece, while the workshop in the Netherlands will be organised by the university in the Netherlands. Workshop dates will be announced on the project website.

### Keep Our Project Progress on Track

All information, news, activities, and, project outputs, when prepared, will be freely available on the [project website](http://www.project-gamma.eu): <http://www.project-gamma.eu>.

Follow us also on [Facebook](https://www.facebook.com/GAME-based-learning-in-Mathematics-GAMMA-104353051638): <https://www.facebook.com/GAME-based-learning-in-Mathematics-GAMMA-104353051638>

