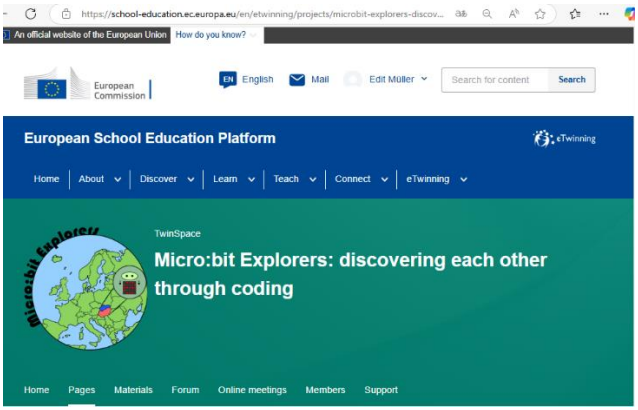
Micro:bit Explorers: discovering each other through coding

This eTwinning project originated from an Erasmus+ teacher training course held in Lisbon, Portugal, in August 2023. But before that in an Erasmus school partnership project our school had already cooperated with the partner school in Nové Zámky, Slovakia. During the above-mentioned course, the Hungarian and Slovak colleagues connected and envisioned a future collaboration. The schools participating in the project were Valeria Koch Bildungszentrum (Pécs), Carl Rogers Személyközpontú Óvoda és Általános iskola (Budapest) and Gymnazium Petra Pázmána s vjm (Nové Zámky). The project fostered online cross-cultural exchange among students, encouraging them to gain insights into each other's cultures by engaging with coding and utilizing micro:bit. Through interactive coding activities, students and teachers collaboratively developed a series of micro:bit projects exploring cultural, geographical, and historical facets of their respective countries, promoting digital literacy, creativity, and a richer understanding of global citizenship.

Project Highlights:

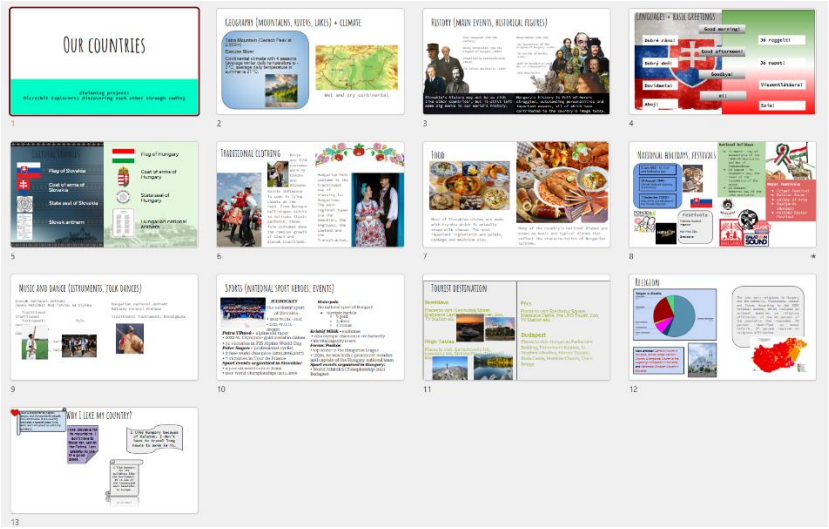
1) **Registration and Introductions**: All participants registered on the eTwinning platform and introduced themselves to establish a collaborative foundation.



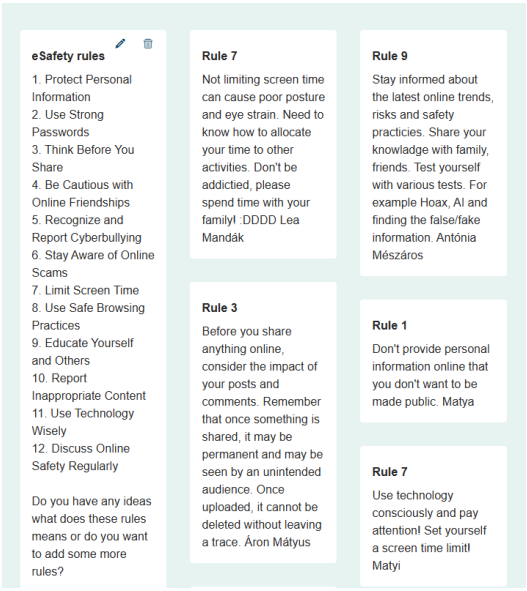




2) **Country Presentations**: Students jointly created Google Slides presentations covering their country's key features—city, school, geography, climate, languages, common phrases, symbols, traditional attire, cuisine, national holidays and festivals, sports, tourist landmarks, and religious traditions.



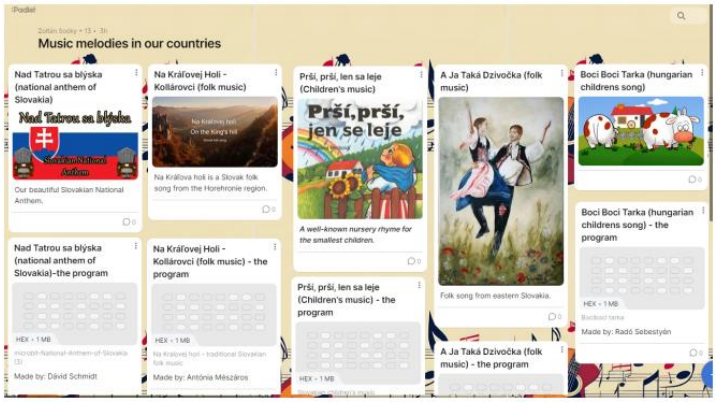
3) **eSafety**: The Slovak ICT colleague created rules to handle the project platform and the online collaboration safely. Each participating student was asked to choose one rule and to explain and comment on it.

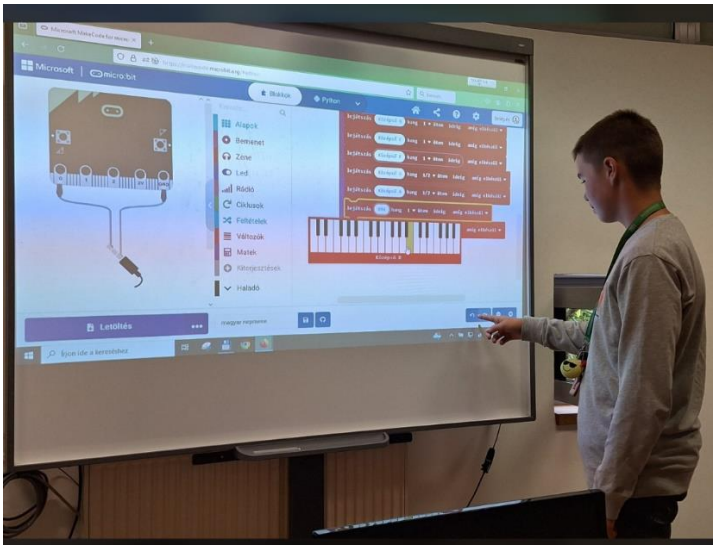


4) **Logo Competition**: The students designed project logos, participating in a competition to select the official logo for the initiative. The winning logo was made by Villő Csapó, a member of the Hungarian project team.

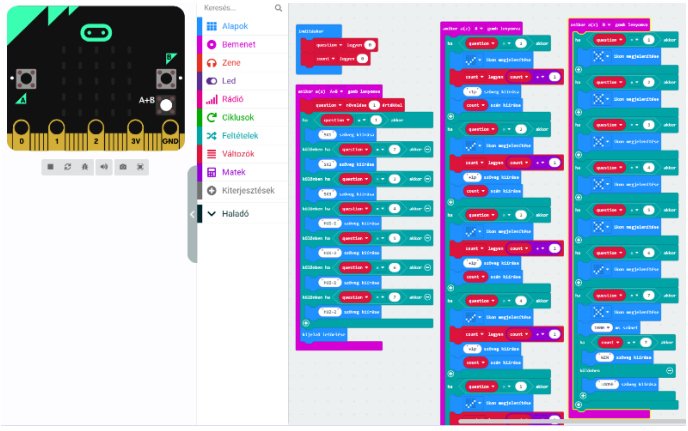
5) **Music Sharing**: Using Padlet, students shared music files they programmed with micro:bit, primarily focusing on traditional Hungarian folk songs. **You can see the**

padlet here: https://padlet.com/sookyzoltan1986/music-melodies-in-our-countries-t64h34t71jzzvxa9

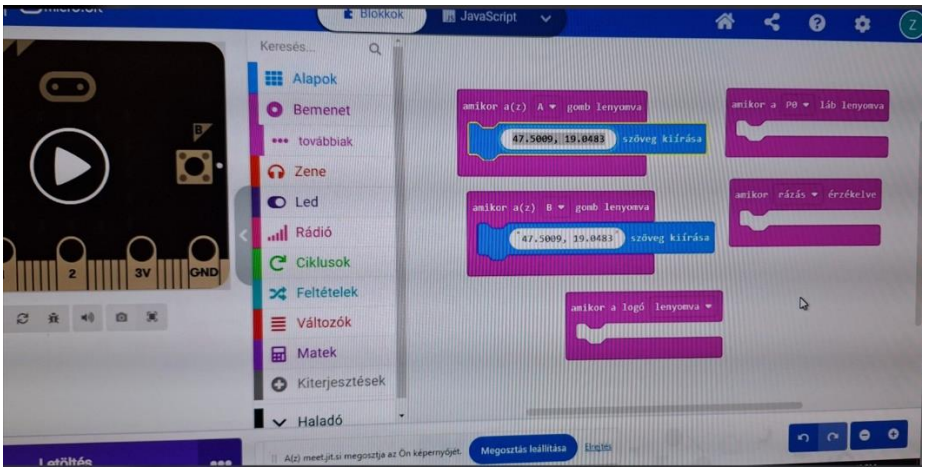




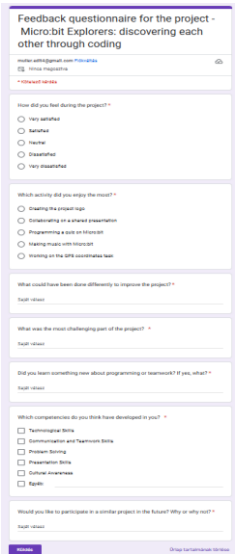
6) **Programming the Quiz**: The students collaboratively coded the quiz on micro:bit to create an interactive test format, using the information of the Google slides. They put together the quiz about their countries and then programmed one or two sets of questions about each slide.



7) **Programming with Micro:bit:** Each student coded an event-responsive program of five coordinates on their Micro:bit, and the partner schools downloaded the program and uploaded it to their Micro:bit and defined the landmarks. In this way they got to know the sights of each other's countries.



8) **Feedback:** With the help of a GoogleForm the students assessed the programme and gave their feedback.


Feedback questionnaire for the project - Micro:bit Explorers: discovering each other through coding

All project details, photographs, and outputs are available on the project platform for participants and audiences alike.

The project was conducted by Edit Müller and Nikoletta Gönczi. The participating students were from the 7th and 10th grades. Altogether 3 7th graders and 8 10th graders completed the coding tasks.