

C4-TURKIYE MOBILITY
24 – 28 OCTOBER 2023 MANİSA



Robotics As A Tool To Prevent Bullying Erasmus+ Project 4th mobility was held between 24-28 October 2023 in Manisa-Turkiye. Teachers from Estonia, Portugal, Romania, Slovenia, Sweden and host Turkiye participated in the mobility.

ROBOTICS; AS A TOOL TO PREVENT BULLYING
2020-1-SE01-KA229-077805_4

TERE MERHABA SALUT

HEJ ŽIVJO OLĀ

ROBOTICS AS A TOOL TO PREVENT BULLYING

24-28 OCTOBER 2022

ESTONIA TÜRKİYE ROMANIA SWEDEN SLOVENIA PORTUGAL

ERASMUS+

24th October



The mobility started with the welcome ceremony at MFL Conference Hall. After the welcome speech of the school principal and the music recital prepared by the MFL students&the music teacher Mobility Programme introduced.

A presentation was made on “Physical Bullying” the main theme of Türkiye Mobility. Also the antibullying videos awarded in the MFL Short Film Competition were watched and evaluated.

You can access the Physical Bullying Presentation and some of the short film videos prepared by our students from the links below:

Physical Bullying Presentation:

https://www.canva.com/design/DAFIIZNC3zQ/p4r8024FJ4qwtTC9H4ozaw/view?utm_content=DAFIIZNC3zQ&utm_campaign=designshare&utm_medium=link&utm_source=publishsharelink

Short Film Videos:

“Dawn” <https://youtu.be/8LlgUZUcZCw>

“What if?” <https://youtu.be/dWPpPOIfmAk>

“Abdullah” <https://youtu.be/od2j6doGwEc>

“Anne’s Bully” <https://youtu.be/OgJRoaZ7LxA>

“Unmute” <https://youtu.be/ePgxlR0fk8w>

“The Kite” <https://youtu.be/30wzPq8ihzc>

We had a school tour with the teachers participating in the mobility. They visited the school library, classrooms and ICT laboratory. MFL Robotic Club students introduced IT projects of the school (MFL) in national/international technology / Robotics competitions.

Manisa Science High School UAV Team Presentation:

https://www.canva.com/design/DAFO6wZjZfM/zsOLq77nKBigScnNoarg0g/edit?utm_content=DAFO6wZjZfM&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton

And finally, a documentary visit to MFL Planetarium-Science Museum.

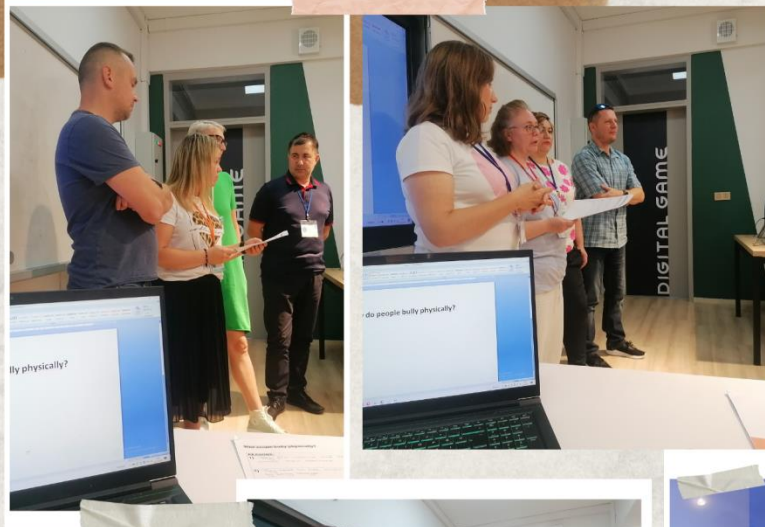
25th October



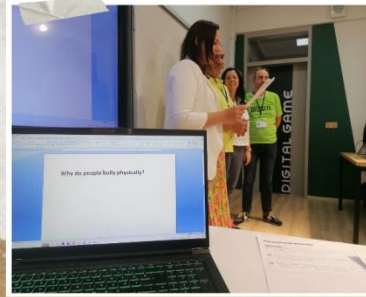
Each partner country made a presentation about their countries' physical bullying policy.

The presentations on Bullying policies in partner countries:

<https://drive.google.com/drive/folders/1T894TLiaOfwf1wYB0RYDJc6kIgvwF7bb?usp=sharing>



Why people bully physically?



Mixed country teams were formed for the workshops. Each group searched reasons for the question “Why do people bully physically?” and suggested solutions. Also found an Anti-bullying slogan.



The second workshop was about educational robotic systems. MFL 10th grade students introduced basics in Robotis Stem Kits.

Sequence Racer Robots and booklets showing coding stages of the robot were handed out to the groups. Each group completed the programming of their robots by following the coding instructions. The aim of the activity was to enable robots to reach the anti-bullying slogans chosen by the groups with the correct coding.



Robotis Stem Kits - Level 1

<https://www.robotis.us/robotis-stem-level-1-en/>

Sequence Racer Robot Booklet:

https://drive.google.com/file/d/1uFkb_ihQX6NOE_Vbrvh2_2IVHQwquve8/view?usp=sharing



Secondy day last activity was Manisa Tour. During this cultural activity, Mevlevi Lodge Museum, Weeping Rock (Niobe) and Manisa Medical History Museum were visited. Also a walking tour has set out at the city center taking most important places in both the old and new.

26th October

A guided cultural tour to Selçuk, Virgin Mary, Ephesus, Şirince and Kuşadası.



EPHESUS



ŞİRİNCE KUŞADASI



VIRGIN MERY

27th October



“Rumi-Wise Words” activity was held to make Rumi Philosophy a part of values education in order to gain students tolerance, respect, empathy and self-love awareness to deal with physical bullying and emphasize important values for self-improvement.

Firstly, MFL Anti-Bullying Team 11th Grade Students made a presentation about Mevlana Celaledin-i Rumi and explained Rumi Philosophy. And then, mixed country teams were formed for the workshop. Previously-prepared brochures for Solidworks activity were distributed to the groups. Each group made a 3D drawing of the Seljuk Star(Each corner of the star symbolizes a different virtue: honesty, reliability, mercy, patience, loyalty, generosity, affection and thankfulness) as a keychain by following the steps written in the brochure. Keychain drawings printed out using the CNC machine. Lastly, the importance of positive role models to prevent bullying are discussed.

Rumi Canva Presentation:

https://www.canva.com/design/DAFPOPhm_VU/IGqilLV0t_p6wM4YLeDiRQ/view?utm_content=DAFPOPhm_VU&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton

How to make Seljuk Star Brochure:

<https://drive.google.com/file/d/1en4UHfKa-UPyGDC1HYvJv87C-wQrTs7k/view?usp=sharing>



Probing Car

The second workshop was again about educational robotic systems. Helping Express Emotions and Strategy Games using Robotis Stem Kits examples were given by MFL 10th grade students.

Booklets showing the robot construction and coding stages were handed out to the groups. Each group both constructed their robot and complete the programming by following the instructions. Teachers in groups wrote the negative emotions they wanted to leave behind on cardboard cups and put these cups as an obstacle in the robot's path. When the robot encounters these cardboard cups, it continues to follow the line by removing the cups from its path.

Robotis Dream II-Level 4-Probing Car:

<https://www.robotis.us/>

https://www.dropbox.com/s/8qze3dox68ps2dg/BIOLOID_STEM_10.ProbeCar.wmv?dl=0

<https://emanual.robotis.com/docs/en/edu/bioloid/stem/>

Probing Car Booklet:

<https://drive.google.com/file/d/19JvoJLxGOSqN4kkes-xgRzyEtvcntsSI/view?usp=sharing>



Clock Tower-İzmir

And finally, a cultural visit made to İzmir city center.

28th October



On the last day of the mobility a documentary visit to Ottoman Museum was held. And the final meeting was held in Manisa Irfan Madrasa. At the meeting, Turkiye Mobility was evaluated and Romania Mobility was planned. In addition, the physical bullying post-test was done up. Finally, the 'Certificate of Participation' indicating the participation in the mobility were given out to partner school teachers.