HISTORICAL BEGINNING OF IMPACT ON ENVIRONMENT IN LOCAL AREA

Activity 18

AIM: History in all partner countries. Work with old maps and present maps, change of land.

Methodology

Purpose: Pupils work with old and present maps. They look for changes comparing both maps of local area. They note down all findings of their research.

Target group: pupils

Methods:

Theoretical introduction to the problem.
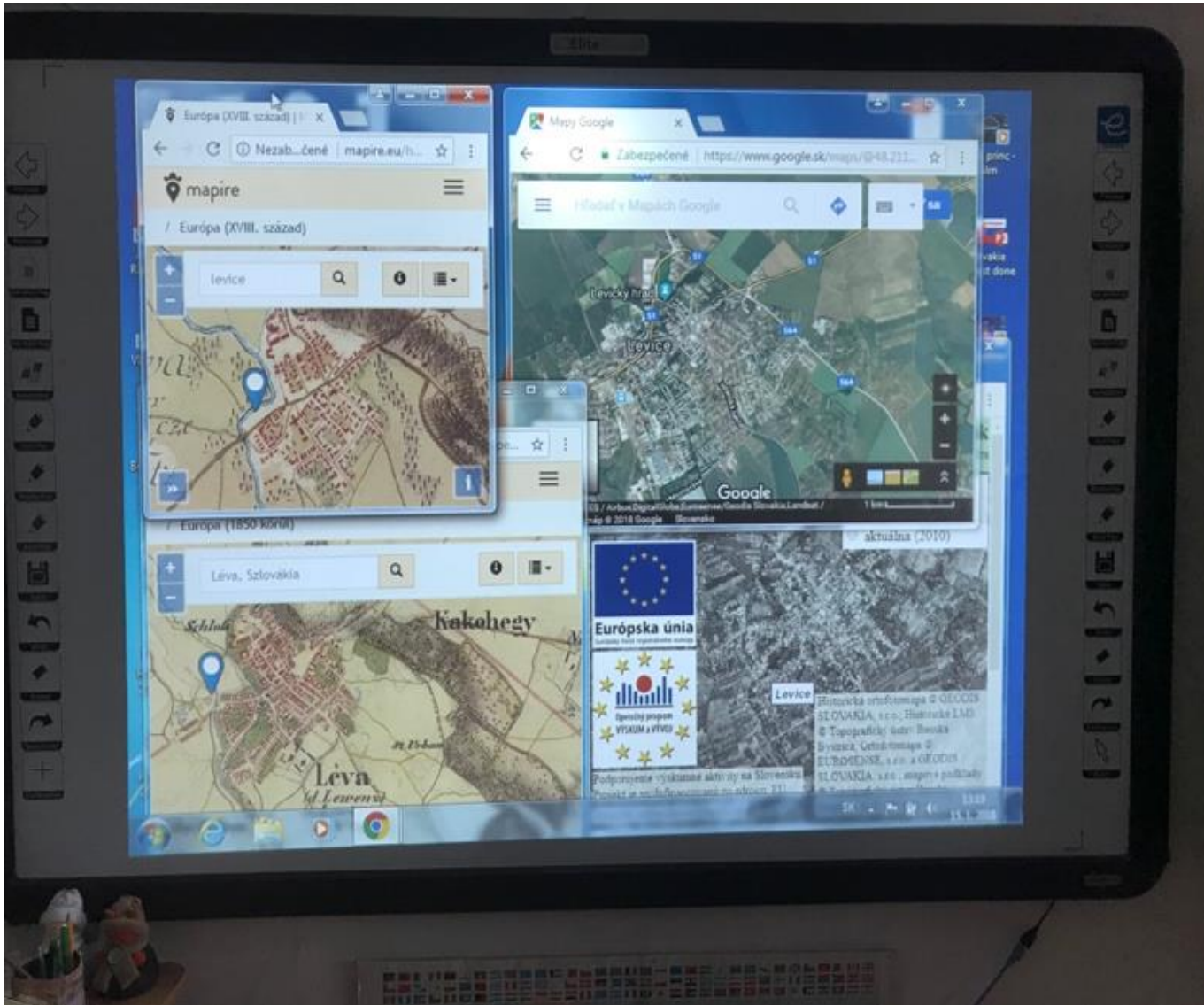
Study of old maps.

Study of present maps.

Comparing of maps.

Outcomes of data comparing.

Discussion and connection to change of land.

Solution: PPT

Historical and present maps of the town Levice

Results, problem identification, further development, their presentation and discussion

The pupils identified the territory of the town Levice and described the following changes comparing historical and current maps. The table contains observations from the 18th, 19th, 20th, 21st century, recorded changes - a summary and an answer to the question of how the town will look like in 2050. We have processed their results in Table 1 .

View of table 1 - Results of local area observations - 20 pupils (example)

	18. century	19. century	20. century	21. century	Recorded changes	Modeling - how will the town look like in the future?
Pupil 1 (N. P.)	small town, several houses, river, vineyards	the town grows, there is Calvary , more houses, roads	the town continues its growing, the walls are no longer visible, each side is more built	the town is rebuilt (the occurrence of modern architecture), factories, housing estates	the gradual expansion of the town on the harm of fields and greenery	The town will continue to spread to nowadays vineyards. The fields and meadows will vanish. New houses, factories and companies will dominate. Parks will vanish too. I assume that they will connect with surrounding villages. Ploughland will disappear and constructions and shopping centers will accrue.
Pupil 2 (E.B.)	the town was small, buildings were not so close to each other	expanding the town, buildings and constructions boom, buildings and constructions are very close	greater expanding of the town, similarity with present	buildings density, increasing of constructions and roads	the town is the most widespread in the 21st century, buildings and constructions boom to the detriment of arable land	I think that the number of people will decrease due to moving abroad. In my opion surrounding villages will be associated with Levice.

Questionnaire:
Table 2 – Question n.1 evaluation – observation findings from historical maps
Table 3 – Evaluation of question n. 2 – name the most likely scenarios of the country's future development

Answer	agree	disagree
Reducing of arable land, fields, forests and greenery	18	1
Expansion of the city, increasing of built-up areas	18	1

Answer	Agree	disagree
New buildings and built areas will be added	19	0
Other villages will be attached	10	9
The reducing of green ares will continue	16	3
The reducing of fields and arable lands will continue	18	1

Results, summary

Based on the theoretical introduction of the country and its exploitation, pupils of the 8th year, observed historical maps of the 18th, 19th, 20th and present (21st century).They identified changes in the country and possible development trends in the defined territory of Levice (Picture 1). They observed the disappearing of arable land, fields, greenery and urban landscapes is increasing (Table 1, 2, Graph 1).

In the discussion they said that this was due to the development of the town, the increasing importance of the town and the increasing number of inhabitants in Levice (Picture 2). In the second part, they analyzed the possible development trends of Levice and agreed that arable land, fields and greenery will continue to disappear. There was a conflict whether the town will be connected with the surrounding villages or not. (Table 3, Graph 2). The pupils looked at the historical development of the town, where they studied and outlined the possible scenarios of their town's development.

Co-funded by the
Erasmus+ Programme
of the European Union