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Programme Your Future



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COMPUTATIONAL THINKING - LESSON SCRIPT

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Lesson information: Subject: Civics
Duration: 45 min
Grade/level: 2nd grade of middle school/3rd educational stage
Age: 14
Topic: National minorities.

The curriculum specifications and requirements: The core curriculum of teaching Civics for the 3rd educational stage.
Point no. 6. Minorities
Pupil:
Showing distribution of national minorities in Poland

The aims of the lesson: Pupil:

- knows the idea of national minority
- can tell the most important national minorities in modern and pre-war Poland

Previous knowledge: In the core curriculum of teaching Civics knowledge concerning national minorities figures for the first time in the 2nd grade of middle school

The forms of work:

- working in pairs
- teamwork

The methods of work:

- modelling
- practical method
- informal discussion

Teaching aids: The computer with the access to the Internet, projector, interactive board, Scratch program on each computer

The range of using ICT:

- practicing and consolidating the skill of programming
- presenting the knowledge
- presenting and processing information

The course of lesson:

- Teacher activities
- Pupil activities
- The schedule

1. Introduction - organisational activities.

Greeting the pupils, checking the register, distributing worksheets, giving the topic of the lesson and introducing the aims of the lesson.

5 min

2. Teacher gives definition of national minorities and characterizes the most important national minorities in modern Poland. Situation in modern Poland is compared to situation before 1939 (pre-war).

10 min

2. Stating the problem

Students (2 students for one computer) log in to Scratch program. Students' task is to create a program that will present national minorities in Poland in 2017 and compare it to the state from 1939. Students can prepare a model of Poland's borders with division into individual voivodeships in Inkspace program (they can make it by copying prepared contour maps of Poland from 1939 and 2017) - record to png format.

After making models of maps students (still working in pairs) log in to Scratch platform and have to create a code. A program based on earlier prepared graphic files of the map of Poland will be created from that code. It will present national minorities.

20 min

4. Evaluation

Students start the display of maps. Teacher checks the correctness of the task.

10 min

Specific information:

- Programs
- Links
- Etc

An interactive map can be created with the use of Scratch.

Inkscape can be downloaded at:

<https://inkscape.org/en/download>

Attachments:

- Worksheets
- Programs
- files necessary
- Etc

The contour of Polish map (Polska.png and Polska1939.png)
