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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:	3 rd grade of middle school/3 rd educational stage
	Age:	15
	Topic:	Legislature

The curriculum specifications and requirements:	The core curriculum of teaching Civics for the 3 rd educational stage. Point no. 2. Polish government Pupil: Presenting system of powers in the Polish Parliament. Showing the amount of deputies from different parliamentary clubs.
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The aims of the lesson:	Pupil: <ul style="list-style-type: none">• knows the idea of parliament is and its competencies• knows names of all parliamentary clubs• knows what is crucial as far as division of places in parliament is concerned• knows the idea of normal and absolute majority
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Previous knowledge:	In the core curriculum of teaching Civics knowledge concerning Polish legislature figures only in 3 rd grade of middle school
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The forms of work:	<ul style="list-style-type: none">• working in pairs• teamwork
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The methods of work:	<ul style="list-style-type: none">• modelling• practical method• informal discussion
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Teaching aids:	The computer with the access to the Internet, projector, interactive board, Scratch program on each computer
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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. Informing students about the tripartite separation of powers and giving the most important information concerning Polish political scene, elections to Parliament and its organization.

10min

3. Stating the problem

Students (2 students for one computer) log in to Scratch program. There is a code available for them which is connected with the graphic presentation of the system of powers in the Polish Parliament. Students' task is to formulate the problem connected with analyzing the code to find mistakes (left intentionally in the code by teacher). After finding the mistakes students working in pairs have to analyze the code once again to correct mistakes and create a program which will correctly present percentage and quantitative division of places in the Polish Parliament in a graphic way.

25 min

4. Evaluation

Students start the display of presentation and test the correctness of the task. Teacher projects rated map on the board and checks it.

5 min

Specific information:

- Programs
- Links
- Etc

Attachments:

The contour of Polish Parliament (sejm.png)

- Worksheets
 - Programs
 - files necessary
 - Etc
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