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Programme Your Future



## COMPUTATIONAL THINKING - LESSON SCRIPT

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**Lesson information:** Subject: Geography  
Duration: 45 minutes  
Grade: 8  
Age: 14  
Topic: Deciduous forests

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**The curriculum specifications and requirements:**

The Third Stage of Study, Grade VIII

Pupil will be able to:

- Relate the spreading of the deciduous forests in temperate maritime climate
  - Recognize the typical leaved forests characterized by the climate diagram
  - Name the animals and plants typical to the leaved forests
  - Analyze the possibilities of human action deciduous forests
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**The aims of the lesson:**

Pupil:

- Knows and shows the location of the leaved forests on the map
  - Knows and recognizes the typical animals and plants of the leaved forests
  - Analyzes the human activity in the leaved forests and is able to bring examples of the impact on the environment
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**Previous knowledge:**

Pupil:

- Knows the differences of maritime and continental climatic
  - Is able to find the amplitude of the temperature
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**The forms of work:**

- Pairwork
  - Groupwork
  - Individual work
  - Working with the Atlas
  - Working with the contour map
  - Working with the textbook
  - Writing in the role of
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- The methods of work:**
- Mind map
  - Write a story
  - Brainstorm
  - Work with the map

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- Teaching aids:**
- Internet-connected computer
  - Projector
  - Computers (tablets) for every student
  - Map of the geographical zones of World
  - World Atlas
  - Contour maps

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- The range of using ICT:**
- The presentation and delivering of information

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- The course of lesson:**
- **Teacher activities**
  - **Pupil activities**
  - **The schedule**
1. Evocation (7 min)
    - Informing the aims and objectives of the lesson
    - Watching the topic based video with an attention to the task exercise <https://www.youtube.com/watch?v=YQnJ8-FHUhs>
  2. Learning (28 min)
    - Working on the text of the textbook and with the Kahoot! program <https://create.kahoot.it/#quiz/4b39a0da-797f-4d19-bdec-f093341eba24>
    - Working with the contour maps and marking the leaved forests on the maps
    - Getting to know the animals, plants and the human activity; Filling the table on the bases of the presentation <https://koolielu.ee/waramu/view/1-3a03f7c4-70f8-4e12-b52c-e21f9a40282d>
    - Stating the problems (in pairs)
      - Naming the facts  
“How is human activity contributed to a decrease of deciduous forests?”
      - Finding the solutions to the question  
“How can you contribute to reducing the impact of human activity?”
  3. Reflection (10 min)
    - Finding the leaved forest animals from the puzzle, filling the table under the correct title and writing an animal role play (Who are you? Where do you live? How do you look like? What is your message to the world?)

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- Specific information:**
- **Programs**
  - **Links**
  - **Etc**
- Kahoot! must be installed on the tablets
  - <https://create.kahoot.it/#quiz/4b39a0da-797f-4d19-bdec-f093341eba24>
  - <https://koolielu.ee/waramu/view/1-3a03f7c4-70f8-4e12-b52c-e21f9a40282d>
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**Attachments:**

- **Worksheets**
  - **Programs**
  - **files necessary**
  - **Etc**
- Contour map of the geographical zones of World  
[http://www.regio.ee/static/body/files/55.mlm\\_loodusv\\_a3.pdf](http://www.regio.ee/static/body/files/55.mlm_loodusv_a3.pdf)
  - Worksheet (puzzle)  
[https://docs.google.com/document/d/1YKsnO8Gam0mz99zPMXP8vZ2OfLSmHvElWPed\\_LUF6yI/edit?usp=sharing](https://docs.google.com/document/d/1YKsnO8Gam0mz99zPMXP8vZ2OfLSmHvElWPed_LUF6yI/edit?usp=sharing)
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