



Erasmus+
Programme Your Future



COMPUTATIONAL THINKING - LESSON SCRIPT

Author information:	Name: Siiri Saks
	School: Martna Põhikool
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Lesson information:	Subject: Biology
	Duration: 2 x 45 minutes
	Grade: 7
	Age: 13
	Topic: Amphibians in nature and human activities
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The curriculum specifications and requirements:	The Third Stage of Study, Grade VII Pupil will be able to: <ul style="list-style-type: none">● Know amphibians in nature and human activities● Know the protection rules of amphibians
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The aims of the lesson:	Pupil: <ul style="list-style-type: none">● Learns the part of amphibians in nature and human activities● Gets the information about the rules protecting amphibians in nature● Knows how to find information from the internet and evaluates it critically● Studies him/herself as a part of wildlife and its protection
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Previous knowledge:	Pupil: <ul style="list-style-type: none">● Knows the animals in the water and their adaptations to life in the water
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The forms of work:	<ul style="list-style-type: none">● Pairwork● Groupwork● Individual work● Work with the web environment● Work with the computer model
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The methods of work:	<ul style="list-style-type: none">● A mind map● A quiz● A brainstorming
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Teaching aids:	<ul style="list-style-type: none">● Internet-connected computer● Projector● Computers (tablets) for every student
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The range of using ICT:

- The presentation and communication of information
 - Finding and critically evaluating information
 - Working with the web environment
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The course of lesson:

- Teacher activities
- Pupil activities
- The schedule

1. Evocation (10 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=ARr9Aq8N4n0&feature=player_embedded
 - A quiz
 2. Learning (35 min)
 - A Brainstorm „ *What threatens amphibians?*”
 - Working in the web_ <http://bio.edu.ee/animals/2paiksed/2pindex.htm> filling the worksheet „ Diversity and importance of Amphibians”
 - amphibian breeding remembrance <https://www.tynker.com/play/konn/59086ff51c36d1202d8b456e>
 - Stating the problem (in pairs) „ *Take the frog over the road!*”
 - Naming the facts - there is a problem with frogs on the roads
 - Finding the articles from the web pages and then the solutions in springtime to help to protect frogs
 3. Reflection (45 min)
 - Using Tynker to make an animated mindmap or a poster „*How to protect frogs!*”
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Specific information:

- Programs
- Links
- Etc

- Useful information in Estonian <http://konnad.elfond.ee/> , <http://alkeemia.delfi.ee/keskkond/planeetmaa/anna-konnatalgulistele-hoogu-aita-konnad-ule-tee?id=78141932>
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Attachments:

- Worksheets
- Programs
- files necessary
- Etc

- Video https://www.youtube.com/watch?v=ARr9Aq8N4n0&feature=player_embedded
 - amphibian breeding remembrance <https://www.tynker.com/play/konn/59086ff51c36d1202d8b456e>
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