

# CLIL LESSON – SCIENCE

## Lesson plan

**Lesson theme: Water lilies**

**School Subject: Science – biology**

**Grade: 5. - 8.**

**Content objective:** to introduce basic information about water lilies

**Language objective:** to learn reading and understanding through very interesting facts about water lilies

1. **Starter- introduction :** Children watch very interesting video about insidious nature one of the biggest water lily in the world. A teacher introduce famous director that made lots of nature movies .

**Sir David Frederick Attenborough** (born 8 May 1926) is an English broadcaster, biologist, natural historian and author. He is best known for writing and presenting, in conjunction with the BBC Natural History Unit, the nine natural history documentary series forming the Life collection, a comprehensive survey of animal and plant life on Earth. To the most famous documentary series belong Life on Earth and The Living Planet. <sup>1)</sup>

2. **Watching the video:**

*The Green Planet* is a nature documentary series on plants and their relationship with animals, humans and the environment. It was produced by BBC Studios and narrated and presented by David Attenborough in 2022.

The giant water lily is vicious - <https://www.youtube.com/watch?v=TWSF3df6jUs>

3. **Reading:** Children try to understand the text, they sit in groups, in lower classes they can read it together with the teacher, during reading the teacher asks students what they understand, he helps them with comprehension.



**Water lilies.** They live as aquatic herbs in tropical climate around the world. The family contains about 70 known species. Water lilies are rooted deep in soil with leaves and flowers floating on the surface. Leaves are circular. The water lily is the national flower of Iran, Bangladesh and Sri Lanka. The Emblem of Bangladesh contains a lily floating on water.

Water lily **Victoria Amazonia** is the biggest water lily in the world. Leaves of this water lily measure 2-3 meters across. You can find them on bigger lakes in the South America. Leaves are so strong, that they can carry 20 kilograms. The flowers are blooming for 2 days, than they fade. Victoria Amazonia-Victoria Královská was the first discovered around 1790 by the Czech traveler Tadeáš Haenke. However, it was only described in October 1873 by John Lindley. In the Czech Republic, they grow, for example, in botanical gardens in Liberec, Brno or Olomouc.



4. **Learning new vocabulary:** Teacher can prepare flash cards with these words or it is possible to write them on the board. Children get worksheets with words and they can work together in groups. They can use a dictionary or laptop.

VOCABULARY	
giant	
water lily	
species	
vicious	
bud	
club	
surface	
leaf, leaves	
measure	
extend	
across	
crush	
victory	
root	
soil	
battle	

#### 5. Revision: conversation in groups

Here are some questions:

1. **What is the problem of the giant water lily ?**
  - a) It lives in all lakes in the world
  - b) It takes daylight to other plants
  - c) It is useful for plants in lakes
2. **How many kind (species) of water lily are there in the world ?**
3. **What is the name of the biggest water lily?**
4. **How big are leaves of giant water lily ?**
5. **Where the Amazon river flows ?**
6. **In which century was Victoria Amazonia discovered ?**
7. **Which country has a water lily as its national flower ?**
8. **In which TV company did David Attenborough work ?**

#### RESOURCES

1. In: *Wikipedia: the free encyclopedia* [online]. San Francisco (CA): Wikimedia Foundation, 2001- [cit. 2023-08-07]. Dostupné z: [https://cs.wikipedia.org/wiki/David\\_Attenborough](https://cs.wikipedia.org/wiki/David_Attenborough)
2. [online]. [cit. 2023-08-07]. Dostupné z: <https://www.youtube.com/watch?v=TWSF3df6jUs>
3. In: *Wikipedia: the free encyclopedia* [online]. San Francisco (CA): Wikimedia Foundation, 2001- [cit. 2023-08-07]. Dostupné z: <https://en.wikipedia.org/wiki/Nymphaea>
4. [online]. In: . [cit. 2023-08-07]. Dostupné z: [https://www.esotravel.cz/files/luxus/AdobeStock\\_100250534.jpeg](https://www.esotravel.cz/files/luxus/AdobeStock_100250534.jpeg)

## WORKSHEET

### Water lilies



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Clue in Czech language: půda, měřit, list, povrch (hladina), poupě, kyj, rozšířit, obrovský, leknín, vítězství, bitva, napříč, rozdrtit, krutý, druhy, kořen

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**QUESTIONS**

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COLOUR YOUR OWN WATER LILY