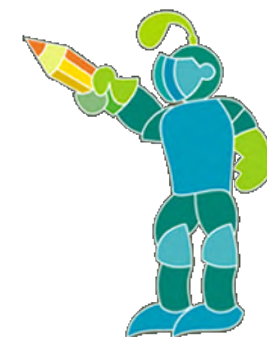


Primary school The Third Battalion of Kragujevac, Serbia



Project
title:
**Aqua
corner -
our eco
moment!**



School team:

- 24 students - 6th graders

❤️ 6/4 ❤️

5 teachers

- Snežana Božić
- Jelena Veljović Mijailović
- Mr Slobodan Živanović
- Dr Nenad Miladinović
- Mr Suzana Milošević Dobričić



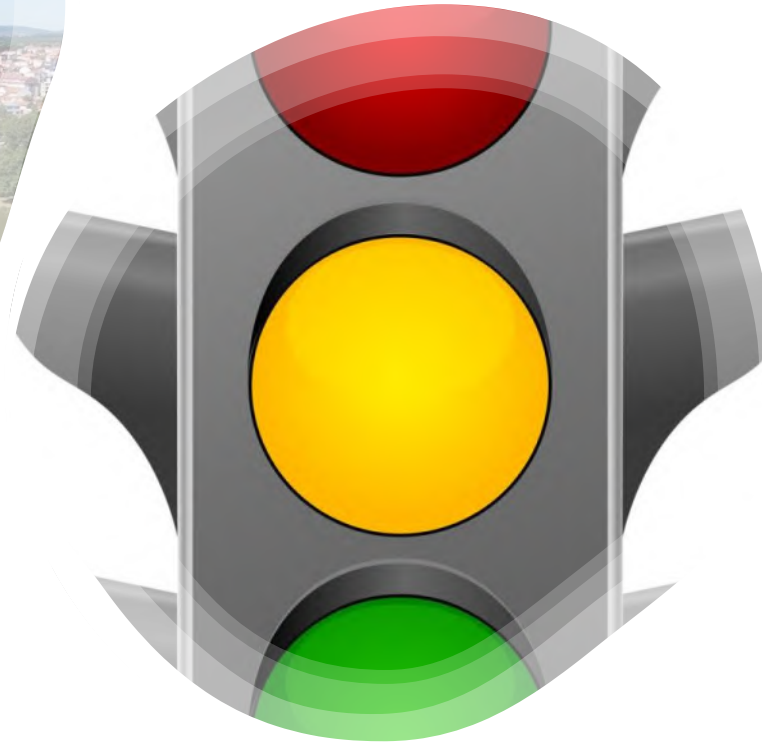
Project title:
Aqua corner - our eco moment!

And we started with...

the presentation of the Sustainable Development Goals.

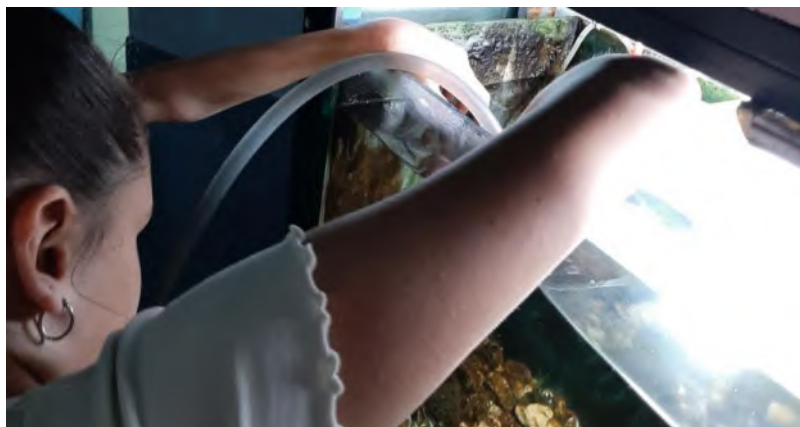
Sustainable Development Goals covered by the project





Traffic light activity

problem identification
Bubanj lake – a heart-shaped lake
in the city of Kragujevac is
in the process of **eutrophication**.



The first volunteer activity

Venue: the Kragujevac Aquarium at the Faculty of Science and Mathematics.

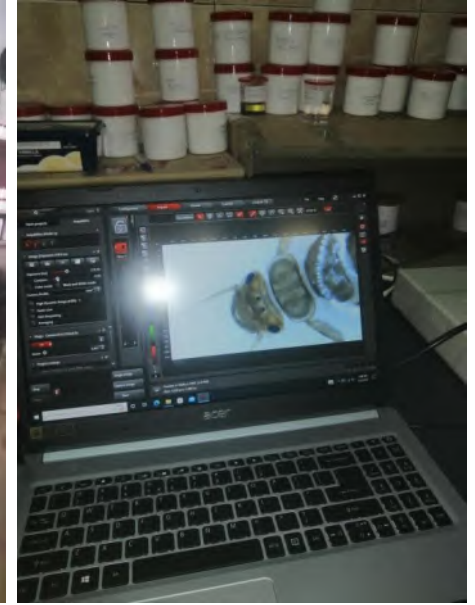
Activities: getting to know water purification methods, how filters work, how aquaria are maintained.

Students learned about the important processes of matter circulation in this artificial ecosystem, which will help them create a self-sustaining water purification system, which is the basic idea of their project.

Dr Simona Đuretanović and **Dr Milena Radenković**, teaching associates of the **Institute of Biology and Ecology of the Faculty of Science**, introduced the students to the basic characteristics of Lake Bujan

The Second volunteer activity in the Aquarium

Predrag Simović, researcher intern at the **Centre for Fisheries and Inland Water Biodiversity Conservation**, explained and showed the students the ways in which it is possible to assess water quality based on the living world of water. The knowledge gained here was used at Lake Bujanj in the next stage of the project, when our students determined the water quality based on the biodiversity of the lake.



Students' Activities at Lake Bubanj

- Collaboration with the activists of the **NGO EkoMatoTeka**, Kragujevac.
- **Group 1** made a filter for water purification. The students concluded that the sand component is very important for filtering water.
- **Group 2** made a mini-pontoon platform in which we submerged plant cuttings in water to propagate them. We expect that the plants will release their root system and thus absorb substances from the water for the benefit of their body growth
- **Group 3** showed their artistic potentials. Using natural resources (leaves, twigs, cones...) they created works of art with one clear message: **DON'T POLLUTE!**





Bubanj Lake

- With these activities, the students showed some simple and effective ways that can be applied to large water systems in order to purify water. These ideas were transformed into students' suggestions and recommendations on how to protect the lake from pollution and disappearing in the next stage.

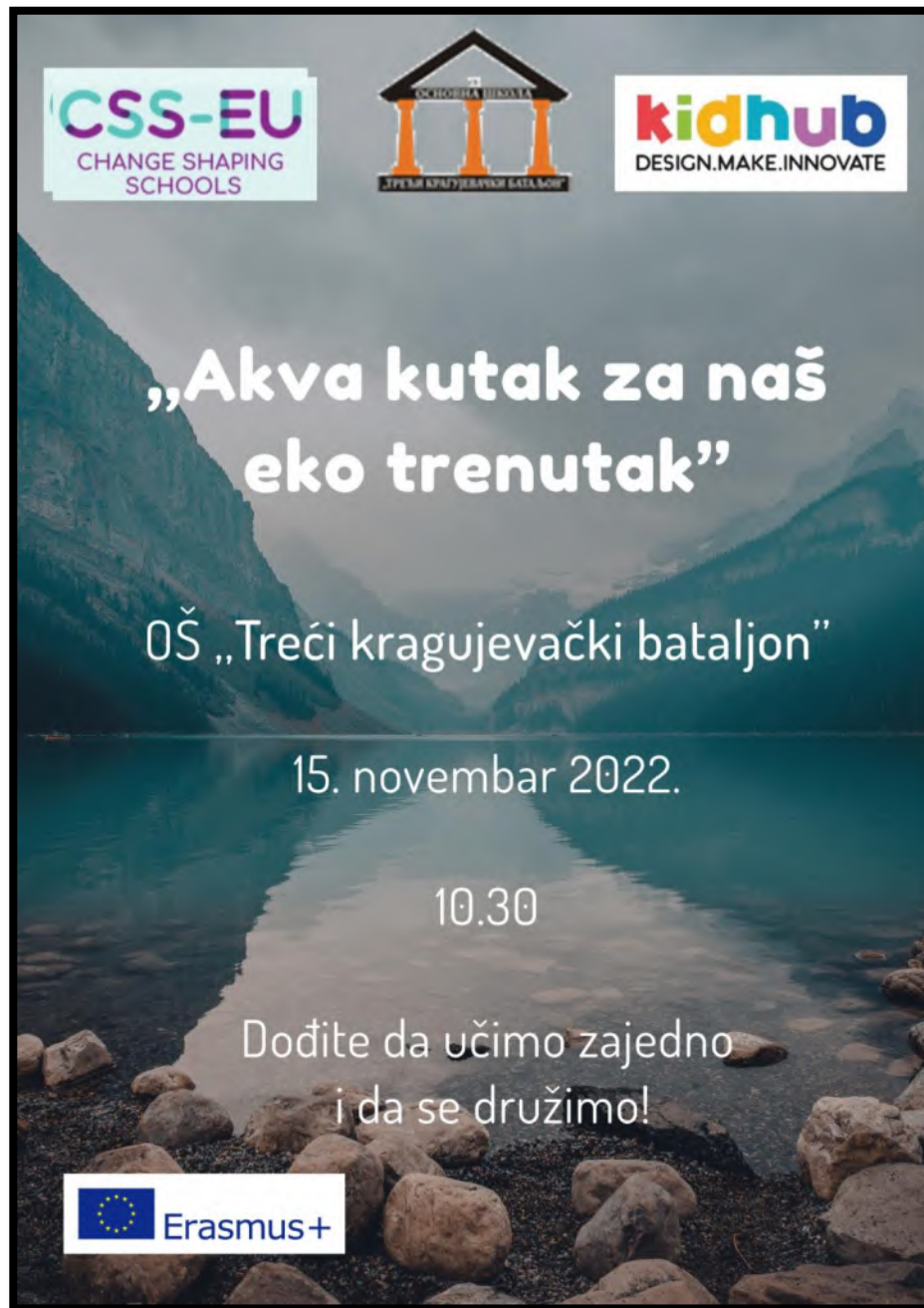
Project day:

Poštovani učenici, roditelji,
saradnici, kolege,
uvaženi prijatelji naše škole,


Čast nam je i zadovoljstvo da Vas
pozovemo na prezentaciju projekta
„Akva kutak za naš eko trenutak”.
Prezentacija će se održati u utorak,
15. novembra 2022. godine u
prostorijama OŠ „Treći kragujevački
bataljon”, sa početkom u 10.30
časova.

Projekat se realizuje u okviru
Erasmus+ programa „Obrazovanje za
društvene inovacije”.

Oblasti kojima smo se bavili u
prethodnih nekoliko meseci su
ekologija i održivi razvoj.



CSS-EU
CHANGE SHAPING
SCHOOLS


OŠ „Treći kragujevački bataljon”

kidhub
DESIGN.MAKE.INNOVATE


„Akva kutak za naš eko trenutak”

OŠ „Treći kragujevački bataljon”

15. novembar 2022.

10.30

Dodite da učimo zajedno
i da se družimo!

 Erasmus+

Program projektnog dana

1. Radionica **3E – Emocije, Empatija, Ekologija**
2. Scratch video igrica – **Vodeno srce i dalje kuca!**
3. Kahoot kviz – **All About Water** (na engleskom jeziku)
4. Akvaponika – **H2O Avantura!**
5. **Kapljice vode život znače!**
6. Maketa jezera – **Ovakvo Bujanj jezero želim!**



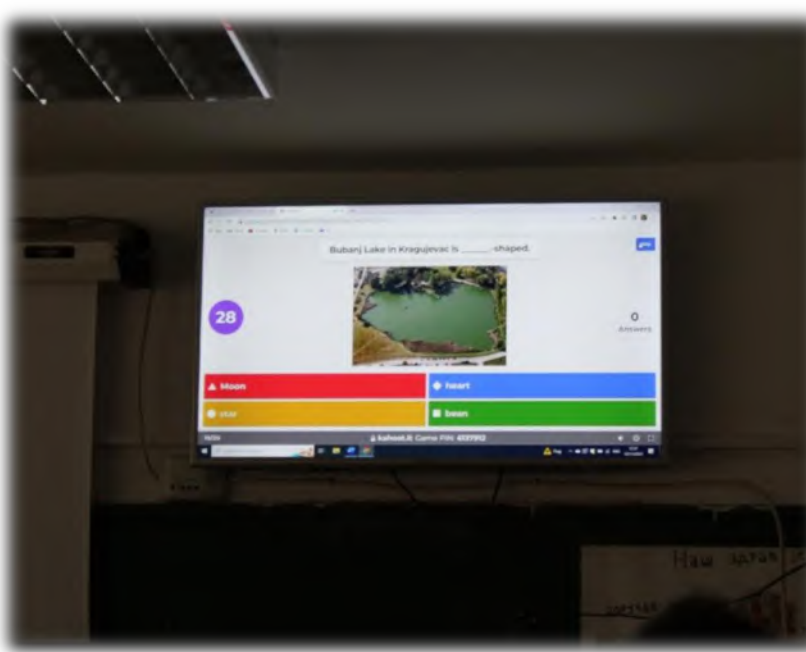


Project Day in our school

1. Workshop – 3 Es – Emotions, Empathy and Ecology
2. Setting up our new fish tank







Project Day in Our School

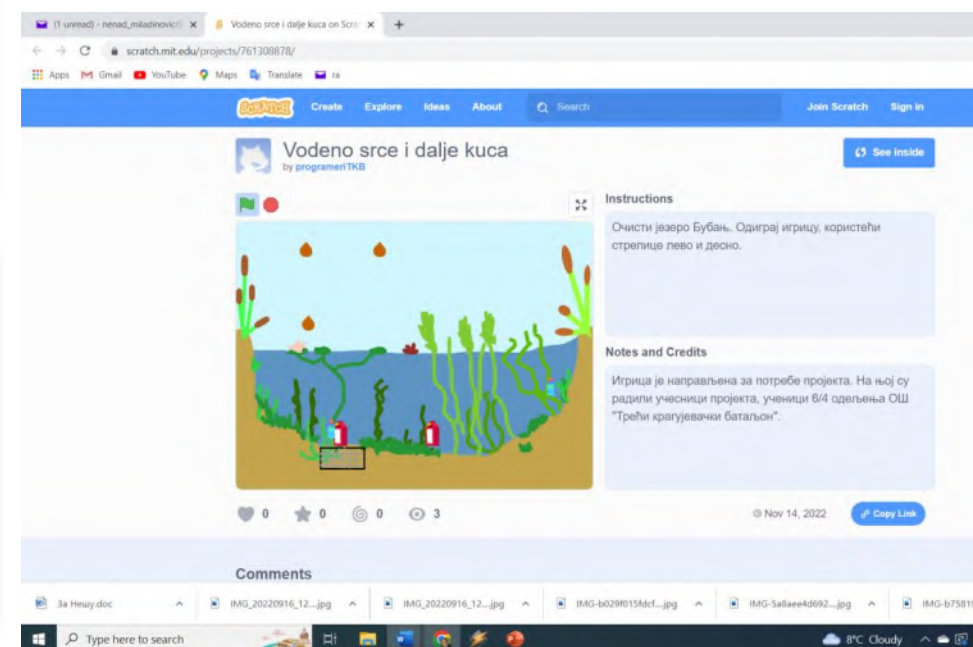
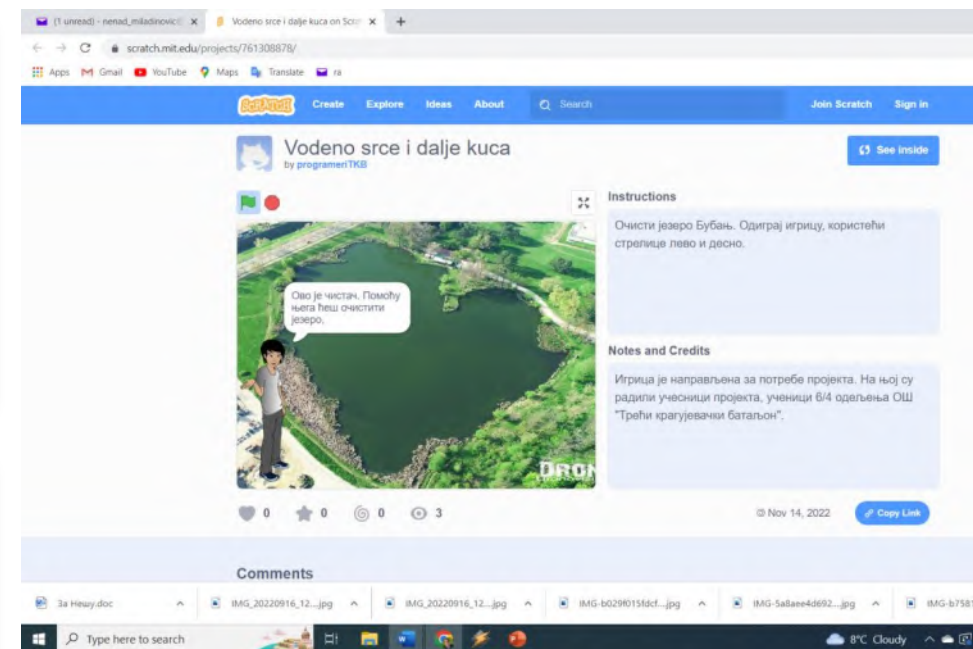
- 3. English Language Kahoot Quiz – ***All about water.*** A great opportunity to revise what we have learned so far.
- 4. An **aquarist, Milan Miletic**, visited us and one more time explained the characteristics of an aquarium as a closed artificial ecosystem.



5. Interactive game designed in Scratch!

The Heart of Water is still beating! Let's protect it!

- <https://scratch.mit.edu/projects/761308878>



Our new aquarium the final product of our project

- Setting up an **Aqua Corner** in the school hall with:
- a system for water purification with plants and drainage gravel that could be applied on the lake as well.
- making a school self-sustaining aquarium.
- **Fish spawning** and trade/exchange with local aquarists or at exhibition sales (entrepreneurial competencies)

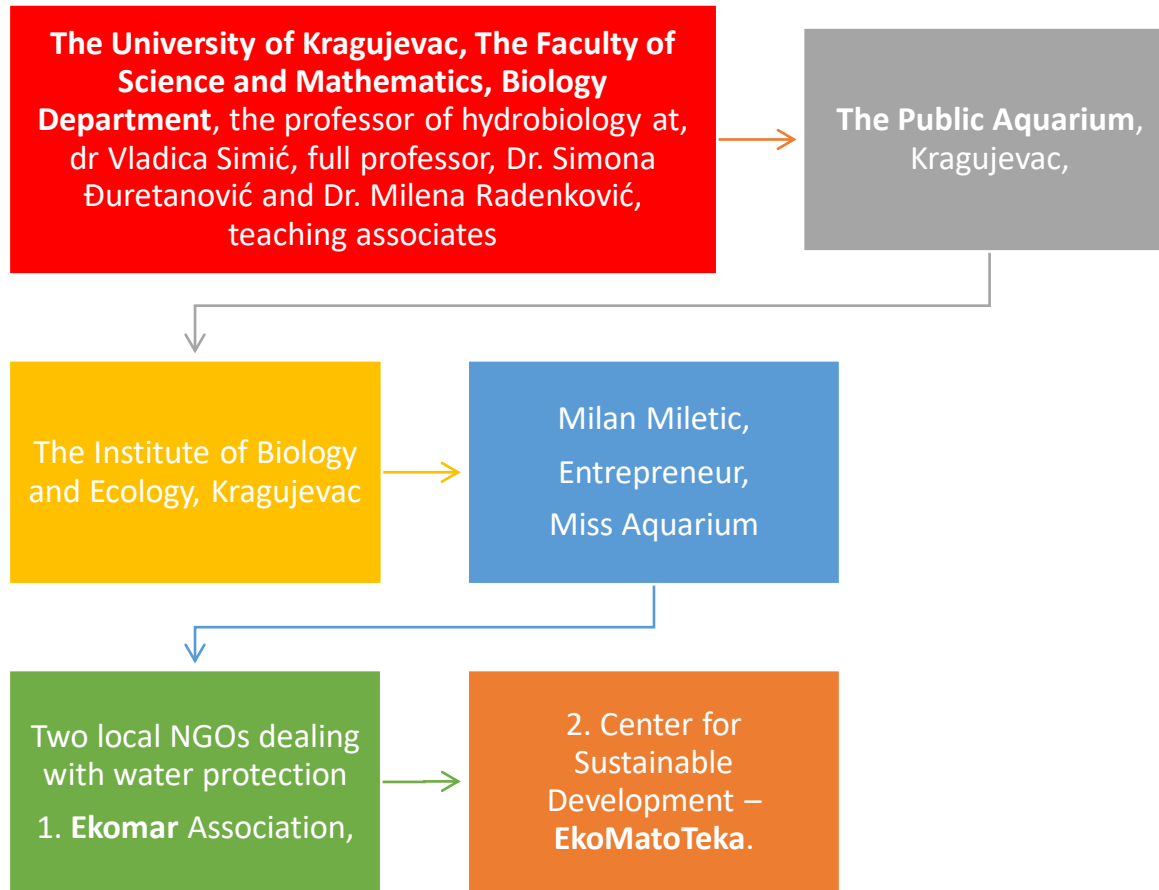
SOCIAL INOVATION: Aquaponics

Aquaponics is a cooperation between plants and fish and the term originates from the two words aquaculture (the growing of fish in a closed environment) and hydroponics (the growing of plants usually in a soil-less environment).

An aquarium with plants is an **AQUAPONIC innovation** that represents the possibility for plants to purify lake water.



Collaborations with institutions





Thank you for your
attention!

Suzana, Jelena,
Snezana, Slobodan
and Nenad

Primary school
"Treci kragujevac
bataljon",
Kragujevac, Serbia



Erasmus+