



Ponds – the source of life

Preserving the natural sources of water in the close surroundings

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| Type of pedagogical project, activity, action, accompanying | Project on cleaning the natural water sources |
| Key words of relevant disciplines/ Pedagogical content | Karst hydrology, natural water sources, bio-community |
| Problematic | How can we preserve the natural water sources and bio-community around it? |
| Thematic | Water, biodiversity |
| Disciplines (sciences, geography) | Science, Geography, Technical education |
| Pedagogical Objectives/New targeted skills | <p>The students will be able to:</p> <ul style="list-style-type: none"> - understand and explain the circulation of water in karst areas - get acquainted with the nearest natural springs of water - understand and explain the way water gets into natural ponds and what interferes with the water flows - get acquainted with bio-community in and around ponds - understand and explain the importance of preserving natural water sources for the entire community - participate in the preservation works on the pond |
| Public target(s) (age, requested skills...) | 11-15 years old |
| Description (step by step) | <p>Step 1) Motivation for a project Restoration of the «Lučica» pond</p> <p>Discussion on preparation for life in the future, under the conditions of climate change. What is the living world going to look like in these changed circumstances? Can we prepare and mitigate the adverse consequences? We look at photos of the ponds near the school. These ponds are the habitats of many birds wintering on the island. Where do the birds from this habitat, which is now dry, find the water? Did they survive? What could we do to make surviving easier for birds? If the birds are extinct, what are the consequences for the human community?</p> <p>We come to the conclusion that a public forum on water management in the</p> |





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| | <p>karst area should be organized. We will invite experts on the karst hydrology and interested inhabitants of Brač.</p> <p>Step 2) Public forum in Pučišća</p> <p>Teachers and pupils of Pučišća elementary school, Stonemasons School, and some residents of Brač are present. Prof. dr. sc. Ognjen Bonacci, expert in karst hydrology, leads the forum. Climate change is most dramatically reflected on waters, and successful resistance to climatic changes begins with responsible water management. In the future, water will be the world's biggest problem and the most important resource, said prof. Bonacci.</p> <p>Today the island of Brač receives water from the mainland. 50 years ago, the population and the entire living world of the island used water from open sources and from water reservoirs where rainwater was collected. The ponds are historically the oldest and most important source of water on Brač. Today, many of them are deserted and dry because residents think they don't need them anymore. But the entire eco-community needs the puddles, and environmental protection depends on them to a significant extent.</p> <p>Step 3) Cleaning the puddle</p> <p>The pupils and teachers, together with the members of local community, decided to clean up and bring the "Lučica" pond near the school back to functioning standards.</p> |
| <p>Place (meeting room, outside space, ...)</p> | <p>Classroom, public hall, outside space – the pond</p> |
| <p>Individual and / or collective actions</p> | <p>Collective action</p> |
| <p>Material needed</p> | <p>tools for cleaning works on the pond</p> |
| <p>Duration of pedagogical project or activity</p> | <p>Two weeks</p> |





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| Evaluation of the new acquired skills | <p>The final look of the ponds and the environment Work reports on the action that students will lead Oral explanations to residents about the reasons why it is so important to keep the ponds.</p> |
| Eco-citizen adaptation, knowledge enhancement and links to other topics | <p>Link to: Activity sheets: A clean community / The impacts of Climate change in your region</p> <p>Croatian:</p> <ul style="list-style-type: none"> • http://os-pucisca.skole.hr/?news_hk=1&news_id=167&mshow=290#mod_new <p>Greek:</p> <ul style="list-style-type: none"> • https://gr.euronews.com/2019/04/29/climefish-ena-programma-gia-thn-epidrash-ths-klimatikhs-allaghs-sthn-alieia <p>French:</p> <ul style="list-style-type: none"> • http://www.vivelessvt.com/au-jour-le-jour/decouverte-de-lecosysteme-mare/ |
| Observations | <p>Similar actions are also realized on the initiative of Pučišća elementary school. The pond at Sv. Mihovil (Brač) was cleaned in 2017. by pupils of the branch school G. Humac, their teachers and parents</p> |

Pictures

Photo. (Organization that took the picture) Country



