

WEBQUEST 1

NAME: Plant a tree, don't be a stump!

FIELDS: biology, environmental protection, geography

CLASS: 2nd grade students of Osijek Medical School, Croatia / teachers Mirela Grubišić and Snježana Tomljenović

DURATION: 12 hours

INTRODUCTION: Throughout our country, in October 2019, an interesting eco-friendly citizens' initiative "Collective Tree Planting Days" was created, initiated with the idea that everyone can plant a tree and thus contribute to improving their own environment, while contributing to the fight against climate change.

<https://danikolektivnesadnje.org/>



Photo: <https://danikolektivnesadnje.org/>

OBJECTIVE: To involve students and teachers of the School of Medicine in collective planting and action with previous preparations and educations, as well as online research on greening, problems with tree planting, the importance of trees, etc.

MAIN TEXT: Encourage citizens, associations, businesses and institutions to plant as many trees as possible in private and public areas on their own or in cooperation with their local self-government units across Croatia, in order to contribute to the greening of their environment, thereby highlighting the importance and many benefits of trees and greenery, especially in urbanized areas.

Forests cover 30 percent of the Earth's surface, and in addition to being a source of food and shelter, forests are the key to combating climate change and preserving biodiversity. It is estimated that 13

million hectares of forest are lost annually. Deforestation and desertification - caused by human activity and climate change - are major challenges for sustainable development and affect the lives and livelihoods of millions of people in the fight against poverty. Efforts have been made to better manage forests and combat desertification. By the end of 2020, it is planned to halt deforestation, restore destroyed forests and significantly increase afforestation globally. Desertification should be combated, soil degraded and land degradation neutralized.

TASK: To make and implement activity plan on the plantation of the trees in Croatia (community level) and to empower citizens to become involved and to become the creators of the future they want.



PROCESS:

1. Through the school advertising book, provide all classes and teachers with information gathered about the action at <https://danikolektivnesadnje.org//> about opportunities to get involved in the action, obligations and work assignments.
Link to Global Sustainable Development Goals:
http://odraz.hr/media/291518/globalni%20ciljevi%20odrzivog%20razvoja%20do%202030_w eb.pdf
and highlighting Goal 15 (preserving life on earth) through the illustrated comic book:
<https://drive.google.com/file/d/19Zgp2l-rJfeYJ4jLtOJLxdBx9qjEAbA-/view>

<https://sustainabledevelopment.un.org/sdg15>

Objective 15. To protect, establish and promote the sustainable use of terrestrial ecosystems, manage forests sustainably, combat desertification, stop soil degradation, and prevent the destruction of biodiversity. The conservation, restoration and sustainable use of inland freshwater should be ensured by the end of 2020 ecosystems and their environment, especially forests, wetlands, mountains and the drained land, in accordance with obligations under international agreements. One of the goals is and undertake urgent and significant activities to reduce the degradation of natural habitats, to halt loss of biodiversity and, by the end of 2020, protect and prevent endangered species extinction.

It is important by the end of 2020 to integrate ecosystem and biodiversity values into national and local planning, development processes and poverty reduction strategies.

In order to achieve this goal, it is necessary to mobilize and significantly increase financial resources from all sources for the conservation and sustainable use of biodiversity and ecosystems, sustainably forest management and afforestation, combating poaching and trade in protected species, with increasing the capacity of local communities.



2. Motivate students to participate through online action research <https://danikolektivnesadnje.org/>
3. Talk to students about the importance of trees in improving our quality of life during the class <https://danikolektivnesadnje.org/>

Trees improve our quality of life in numerous ways

4. Choose the way students and teachers get involved in the action and the terms - the ability to connect with other organizations / institutions
5. Develop in accordance with the instructions of the action plan planting https://danikolektivnesadnje.org/wp-content/uploads/2019/09/odabir_drveca_sadnja.pdf

EQUIPMENT AND TOOLS:

1. Computer with internet and projector
2. Cell phone, camera or tablet
3. Hoes
4. Shovels
5. Tree seedlings
6. Protective gloves

RESOURCES (web links):

1. Action colective planting <https://danikolektivnesadnje.org/>
2. Global sustainable development goals http://odraz.hr/media/291518/globalni%20ciljevi%20odrzivog%20razvoja%20do%202030_web.pdf
3. 15. goal <https://sustainabledevelopment.un.org/sdg15>
4. Illustrated comic about sustainable goals <https://drive.google.com/file/d/19Zgp2l-rJfeYJ4jLtOJLxdBx9qjEAbA/view>

PHOTOS AND VIDEOS:

<https://www.youtube.com/watch?v=TjUjxDAhdU>

<https://www.nationalforests.org/get-involved/tree-planting-programs/benefits-of-reforestation>

LEARNING OUTCOMES:

ACQUIRED SKILLS	SOCIAL SKILLS AND ACTIVISM NEEDED	KNOWLEDGE AND FACTS ADOPTED
<ul style="list-style-type: none">• Experience in school actions and a willingness to work in teams	<ul style="list-style-type: none">• Understanding the global goals of sustainable development, especially the 15th goal• Understanding of community and collective awareness of acting in the local community• Motivation• Awareness level	<ul style="list-style-type: none">• Everyone can plant a tree and thus contribute to improving their own environment while contributing to the fight against climate change

REVIEW:

- Reporting for the school website
- photographing events
- Reporting for the action web site <https://danikolektivnesadnje.org/>

NOTES:

- liaise with other local organizations in action
- Parental involvement of the students if possible