

CONNECT

Inclusive open schooling
with engaging and
future-oriented science

BEST PRACTICES

Description for the website:

Title: **Sustainable development through environmental projects**

This report presents an open schooling initiative on **Sustainable Development through Environmental Projects**, which was developed at the "I.C. Lăzărescu" Secondary School Țițești, Arges County, by prof. dr. Dorobantu-Dina Roxana and prof. Moțoi Florentina Reli between 01.09.2022 and 15.09.2023. The activities included a professional in the field of science, in the person of Assoc. Prof. dr. Sorin Mazilescu. It was supported by Valahia University in Targoviste, Romania. This work was previously presented at:

<https://connect-eu.exus.co.uk/ro/members/roxana1998/photos/>

Care: The students were involved and interested in a real-life problem: to what extent the environment contributes to the sustainable development of mankind through planting trees by students, either from saplings or seeds. The students who participated in the activities were of secondary level, aged 11-14 years.

Know: Students used knowledge about sustainable development, environment, food resources and environment. The competences that the students practiced were:

- Analyzing the impact of technology development on the environment and society
- Training the capacity for design, execution, evaluation, use and capitalization of products
- Evaluation of personal resources and formation of initiative and entrepreneurship spirit in career planning.

Do: In the end, students prepared posters and planted trees in the school garden, carried out the activities both in groups and individually, being supported by families and community members.

* Identifying the possibilities of capitalizing on food products of mineral, vegetable and animal origin

* Analysis of links between food production activities and specific trades/professions

- Description of the main resources needed to carry out family production and consumption activities



Findings related to the Open Schooling approach: The activity is part of the curriculum at the school's decision. It was useful, relevant, challenging, innovative and contributed to the formation of the above-mentioned skills. Open schooling could be challenging for other teachers as it contributes to civic spirit and sustainable development.

Student results: Students were interested in this type of project, because it adds value to sustainable development and environmental protection. They proved pleasure in carrying out practical activities and formed social-moral skills in Open Schooling. The most relevant comment of a sixth grader was: "The world develops from seed and everything is possible through the evolution of science and God's care."

Please select the most relevant photo about your initiative (which will be public and published under an open license on the website to represent the practice).





ABOUT the CONNECT institution that supported the school	
ORGANIZATION	Valahia University of Targoviste
COUNTRY	Romania
Name of partner (contact person)	Dorobantu-Dina Roxana
Implementation period	Original date: 01.09.2022 Finish date: 15.09.2023
ABOUT THE INTERVIEWED TEACHER(S)	
SCHOOL	"I.C. Lăzărescu" Secondary School Țițești-Argeș
Names of TEACHERS (for certificates of good practice)	Prof. dr. Dorobantu-Dina Roxana, prof. Moțoi Florentina Reli
LIKE	Female
DISCIPLINE (Science, Physics, Chemistry, Biology, ...)	Religion, French language
How many lessons were used in open schooling?	4
Title of the Open School Resource used	RED
Type of scientific actions (structured or open-ended scenario)	Open-ended scenario
Curricular themes	Sustainable development through environmental projects
ABOUT TEACHERS' STUDENTS	
Class	VI
Average age	11-13
Total student participants	86
Total students who have completed scientific actions	54
SCIENTISTS INVOLVED:	
Name	Mazilescu Sorin
Field	Education sciences

Questionnaire

01. How have you (teachers) used open school resources? Could you describe what you did in your lessons?

Student activities with scientists:

Open lessons with interdisciplinary and cross-curricular approach

Student activities with families:

Planting trees in the garden of Țițești-Argeș School





02. How have your students used the CONNECT resources? Do you have (or could you describe) examples of the best scientific action (for our website/awards)?

Any examples of why the students prepared?

Students carried out activities both in groups and individually (prepared posters and planted and cared for trees).

Slide? Poster? Video? (Add some images if possible)

Romania lives through people who value sustainable development through environmental projects.

03. To what extent have the resources of scientific actions responded to your needs?

Needs related, for example, to school curricula:

It would be good to have an optional option to the school's decision on Sustainable Development through Environmental Projects.

Student involvement:

Tree planting and environmental care

Students' interest and confidence in science:

Science can improve our lives, but not turn man into an object!

04. How easy or difficult was it to use the resources of scientific actions?

Please add any specific issues related to materials, procedures, interactions, or curriculum:

I have access to open resources, which helped facilitate the lessons carried out.

05. What have been the benefits of open schooling for your students?

Describe the results achieved by students in their scientific actions related to:

KNOWLEDGE

They received more knowledge from examples posted by other students/teachers

SKILLS

They have acquired the ability to use tools for sustainable development

ATTITUDES

They formed attitudes of respect, collaboration, mutual help and environmental protection





06. What were the challenges of using scientific actions for your students?

Select the main challenges students faced and exemplify:

- Difficult...
- Long...
- Boring...
- Other (Please specify): Not applicable

07. What activities worked well within the curriculum?

What helped students achieve their learning goals:

Good practice examples that other colleagues have already applied!

08. What activities did not work well within the curriculum?

Anything that could be done differently or avoided:

That's not the case

