CONNECT

Inclusive open schooling with engaging and future-oriented science

GOOD PRACTICES

Description for the site:

Title: "I capture through photography the problems of my place and apply solutions"

(Restructuring, regeneration and improvement intervention in the local community road network: A research field study)

This good practice presents an open schooling initiative for the Connect project, developed by the 41st Primary School of Heraklion and the teacher Vasiliki Bertsia from 01/04/2022 to 01/05/2022. The activities involved community stakeholders with knowledge about the subjects of study of our project (volunteers of the Kynokomeio, secretaries of the Mayor, etc.). This practice was presented previously:

https://connect-eu.exus.co.uk/el/?attachment=3725&document_type=document&download_document_file=1&document_file=751https://connect-eu.exus.co.uk/el/2022/07/11/ο-αστικός-σχεδιασμός-υπό-το-πρίσμα-των/

Care: The planet is facing many problems of different kinds. But often we need to start with the simple problems of our community in order to find sustainable solutions that will last. In this way, we become familiar with the 'culture of active citizenship', learn to find solutions, implement them and take a keen interest in our neighbourhood. Every neighbourhood has its own problems, which often apply to the wider context of our city. Thus, the 16 pupils of E2 class of our school decided to deal with the problems of their neighbourhood.

Know: The educational scenario "I capture through photography the problems of my place and implement solutions" aimed to motivate students to connect their knowledge about light, to use the tool of photography, to depict problems of their wider neighbourhood and then, to find solutions, to implement and show them in the form of a multimodal installation.

Do: The students photographed the various problems in their neighbourhood, grouped them together and then found solutions for each one. In particular, they contacted the city's kennel, interviewed volunteers and in consultation with them collected food for the strays. They then sent a letter to the town hall secretary citing problems with the sidewalk, trash and some large trees in the area. Finally, they made their own leaflets about illegal parking and distributed them in the area. They also made and placed recycling bins in various places (outside the school).

Conclusions on Open Schooling: This project opened the classroom to the local community. The students looked forward to doing the project at different times of the day, as everything they made, wrote and created had a direct impact on their daily lives and was characterized by an actual and concrete "meaning". The contact with scientists and community stakeholders was particularly helpful and gave the children added interest.

This project has received funding from the European Union's Horizon 2020 Research ad Innovation Programme under Grant Agreement No 872814

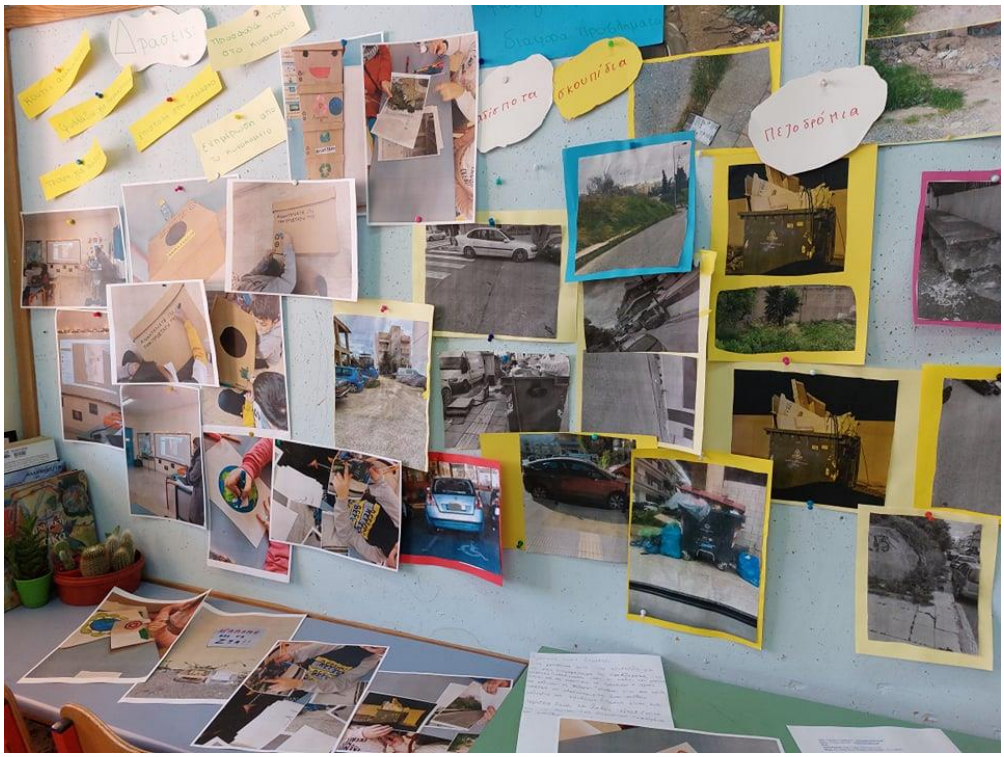
The change/innovation was supported by: [x] School management [x] school association/network [x] Local government [ ] Other: _____

Student results: The students organized a multimodal installation in the classroom and presented in various forms what they did through the project. They made artworks, games, added sound and image to their thoughts and actions. The exhibition seemed "fantastic", "special" and "interesting" as the visiting parents described it.

This practice contributed to the increase of: the Director of 41th Primary school of Heraklion [x] engaging families with sciences [x] involving girls in science [x] raising awareness among students about careers in the natural sciences

Please specify: All students participated and cooperated. The result was very encouraging for all of us. Girls and boys found motivation and interest in the activities. Parents were delighted with the enthusiasm of their children and worked very well together.

Select the most relevant photo related to your initiative (which will be public and published under an open license) to represent the practice.



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ABOUT THE CONNECT PARTNER that supported the school	
ORGANISATION	Regional Directorate of Primary and Secondary Education of Crete (RDE)
COUNTRY	Greece
Όνομα συνεργάτη	Georgios Panselinas
Implementation period	Starting date: 01/04/2022 Ending date: 01/05/2022
ABOUT THE TEACHERS PARTICIPATED	
SCHOOLS	41th Primary School of Heraklion
TEACHERS names (for Good Practices' Certificates)	Ms. Bertsia Vasiliki
Gender	
SUBJECT (Natural Sciences, Physics, Chemistry, Biology...)	Physics 5th class Primary School
How many subjects were used in open schooling?	All lessons were based on the principles of open schooling
Title of open schooling resource used	Contact with bodies outside the school, actions in the context of the neighborhood and the city
Type of learning scenario of science activities (structured or open scenario)	Open Scenario
Curriculum modules	Unit "Light" from the Physics of the 5th class
ABOUT THE STUDENTS PARTICIPATED	
Class	5th class
Age (average)	11 years old
Number of students participated that concluded the educational scenario	16
Number of students who completed the educational scenario of scientific activities	16
SCIENTISTS PARTICIPATED:	
Name	
Field	Volunteers of Dog Shelter of Heraklion, secretaries of the Mayor

QUESTIONNAIRE

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

Student activities with scientists:

Interview, questions, discussion and related actions

Student activities with their families:

Placing relevant bowls for strays, placing recycling bins in parents' workplaces, photographing problems with parents

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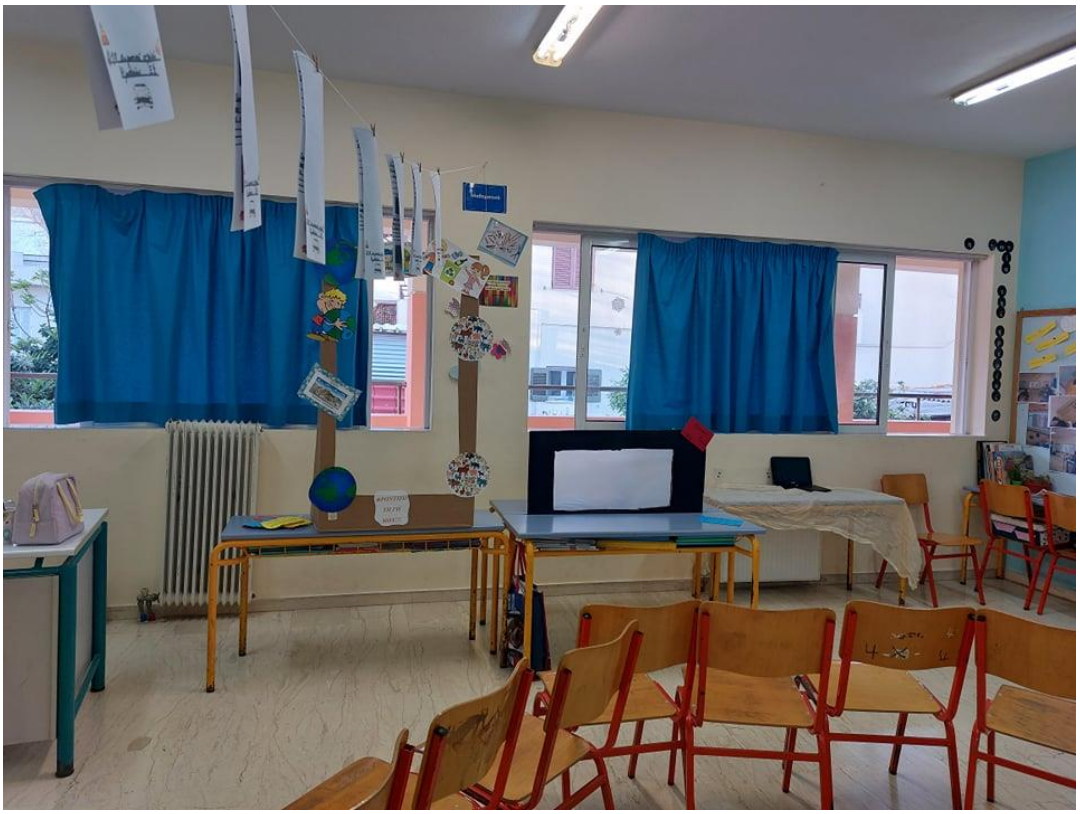
02. How have your students used the CONNECT resources? Do you have (or could describe) samples of better scientific actions (for our site/rewards)?

Any examples of what the students prepared?

The students prepared an installation related to the project. They invited the parents and presented what they did

Slide? Poster? Video?

(Add an image if possible)



03. How well did the science action learning scenario resources meet your needs?

Example related to the school curriculum:

Students used their knowledge of light and the camera to illustrate problems in the area

Students involvement:

The students did activities, took pictures, sent them by e-mail, etc.

Student interest and confidence in science:

The students' interest in science was constant and evident

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04. How easy or difficult it was to use the science action learning scenario resources?

Issues related to materials, procedures, pressure from the interaction with the curriculum:

It was very easy because the curriculum in physics is not very demanding so we had a lot of time to do a lot of work on the project

05. What were the benefits of implementing the science action learning scenario for your students?

Describe the results of the students in their scientific actions related to:

KNOWLEDGE	Knowledge about light
SKILLST	Collaborative skills, critical thinking, empathy, creative thinking and expression, problem solving skills
ATTITUDES	Through this project, values and attitudes related to citizenship, our relationship with the community, the development of the role of an active citizen who finds solutions to the problems of his/her community and then implements these solutions. The ability to deal with difficulties and problems in practice is therefore also developed

06. What have been the challenges of using educational science activity scenarios for your students?

Main challenges faced by students (Please select all that apply):

☐Difficult…

☐ Long duration…

☐ Boring…

☑ Other (Please specify): Students found the whole project easy, creative and interesting

07. What activities worked well with the curriculum?

What helped the children achieve the learning objectives:

All activities were decided by the students and were collaborative and original. This excited them.

08. What activities did not work well with the curriculum;

Anything that could be done differently or avoided:

Everything went great.

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09. The school Principal's opinion about CONNECT:

"It was an excellent and innovative project. The children really enjoyed it and it helped them to work in teams and creatively by getting in touch with science" - Director of the 41st Primary School of Heraklion

10. Parents' opinion about CONNECT:

"The project was great and gave a lot of stimulation to all our children. Well done to the teachers and students" - Parent of a student who participated in the project

Submission:

1. Please save the file in the following format: **YEAR MONTH DATE COUNTRY SCHOOL** (e.g. 20220326GR1stPrimarySchoolHeraklion. docx)
2. 2. Please send this form to CONNECT Panel: https://tinyurl.com/Connectbestpractices2022

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