

ERASMUS+ PROJECT

Geology for the Visually Impaired and the Disabled



Italy
April 2023

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Co-funded by the
Erasmus+ Programme
of the European Union

Geology for the Visually Impaired and the Disabled

- G4ViD is a project that aims to provide students and educators, with special emphasis on the disabled and the visually impaired, the opportunity to enjoy the experience of Geoparks and introduce them to the Earth Sciences.
- The main task in this project is to develop two applications and one interactive website related to Geology and Geoparks for the visually impaired and the disabled, as well as the general public.

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- The special education school Paidiko Anarotirio is participating in this program. The Students that are attending the school are diagnosed with severe chronic neurological conditions and mostly with Cerebral palsy.

What is CP?

CP is a condition caused by damage to the developing brain (usually during childbirth or pregnancy) which impairs the brain's ability to control the movement of the body. CP is not a progressive disorder (meaning the damage to the brain does not worsen). But the effects of aging may have an impact on associated issues.

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People with cerebral palsy may have a number of associated physical and cognitive issues:

- Mobility Issues
- Hearing Impairment
- Speech Issues
- Vision Impairment
- Intellectual Disability
- Continence and Constipation
- Learning Difficulties
- Epilepsy
- Pain
- Sleep Issues
- Behavior and Emotional Issues
- Spinal and Hip Abnormalities
- Eating and Drinking Difficulties
- Saliva Control

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- By participating in the program G4ViD we created projects with Geology elements made by different textures, in order to help our students interpret sensory input, understand its relevance and respond to external stimuli
- Through the program our students also had the opportunity to come in touch with nature and increase the sense of smell, tactile, auditory and visual perception

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Goals and objectives of the Geology Activities

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1. USING THE INTERACTIVE BOARD TO IMPROVE VISUAL PERCEPTION AND AUDITORY PROCESSING WITH A FAIRY TAIL FROM TROODOS GEOPARK

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2. IMPROVE FINE MOTOR SKILLS BY MAKING GEOLOGY MODELS

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3. IDENTIFICATION AND MATCHING IDENTICAL GEOLOGY ELEMENTS

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4. INCREASE OUR CREATIVITY BY MAKING GEOLOGY PROJECTS

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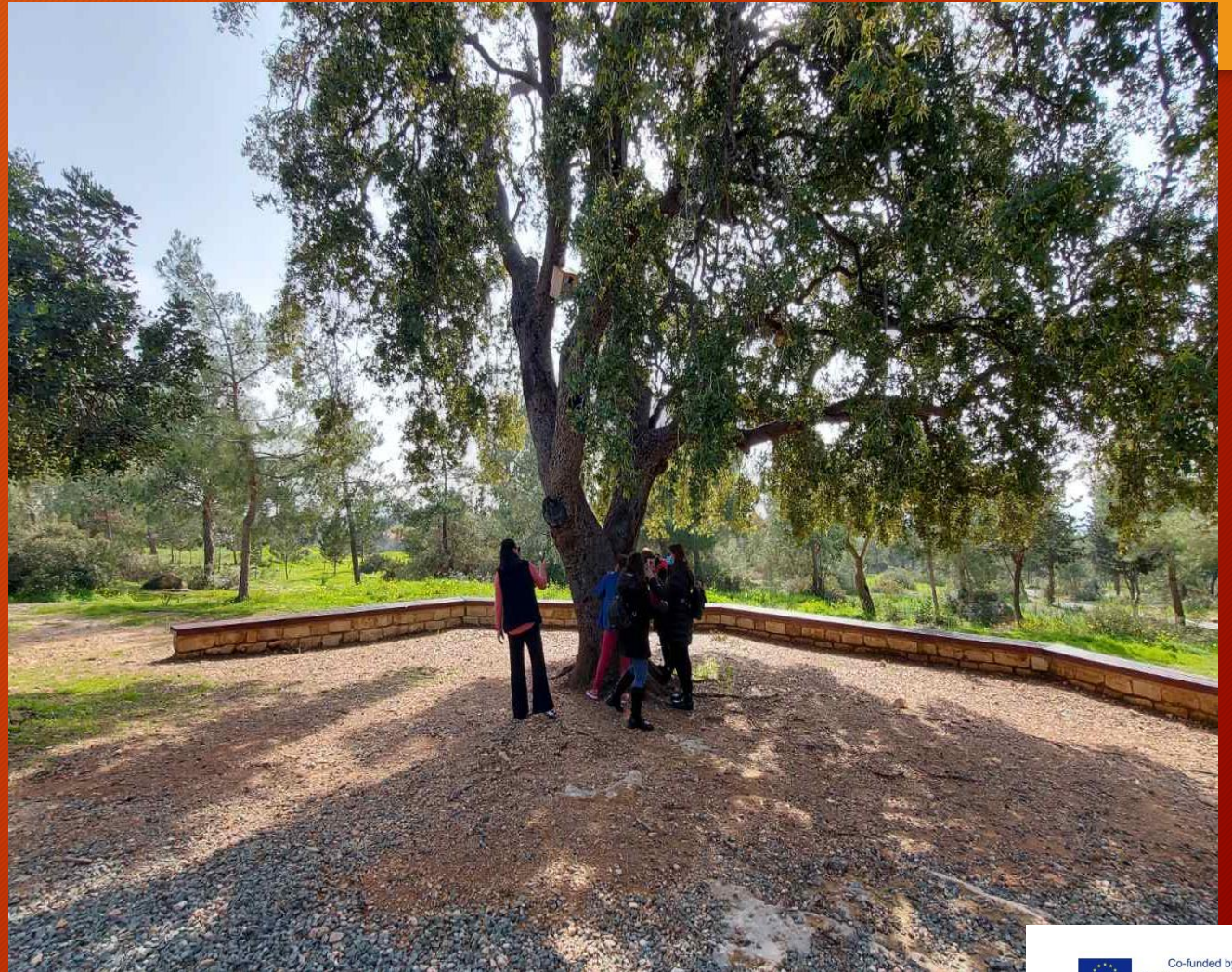
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5. WE VISITED THE CLOSEST FOREST PARK

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6. GOT INSPIRED FROM G4ViD PROGRAM AND CREATED ACTIVITIES SO OUR STUDENTS CAN WORK ON THEIR SENSES

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**7. WE CREATED A RIVER MODEL
AND MADE THE WATER FLOW
USING THE STEAM APPROACH**

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**8. WE CREATED GEOLOGY BOARDS WITH ELEMENTS
WE GATHERED FROM TROODOS GEOLOGY PARK
IN ORDER TO PROVIDE TACTILE, VISUAL AND
OLFACTORY STIMULATION TO IMPROVE SENSORY
PROCESSING**

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During the program we started cooperation with St Barnabas School for the Blind, Nicosia.

They offered their knowledge and experience regarding the software application during the whole duration of the program .

There is also going to be an application test day at their school premises.



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- Participants with visual impairments from the school of blind and special education teachers and therapist from our school, have traveled to Spain and Latvia during Learning ,Teaching and Training activities .
- People with visual impairments from the school of blind, had the opportunity to visit Geoparks and Special education schools and associations



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**THANK YOU FOR YOUR
ATTENTION!!!**