

Little Water Heroes



2021-22



3rd Kindergarten of Gerakas

School year 2021-2022

eTwinning πρόγραμμα: “Little Water Heroes”



Participating schools

- 3rd Kindergarten of Gerakas
- Kindergarden of Polychrono
- 18th Kindergarten of Trikala
- 1st Kindergarten of Raxas
- Ecole de Saint-Chamant
- Kırıklı İlkokulu Turkey
- Osmangazi Ortaokulu



Collaborating teachers

- Androniki Katopodi
- Sevasti Paraskevoudoulou
- Maria Souma
- Konstantina Kafenzi
- ΑΛΕΞΑΝΔΡΑ ΧΑΡΜΠΙΛΑ
- Αλεξάνδρα Δεληγιαννίδου
- Myrto Kekka
- Maria LAMPROGEOURGOU
- Μαριγώ Γκούρη
- ΣΟΦΙΑ ΖΑΧΑΡΑΚΗ
- ΧΡΙΣΤΙΝΑ ΖΙΩΖΙΑ
- Séverine ROY
- Ebru GÜNAY
- Fatma Duygu ERDOĞDU



Project goal

Based on the 6th out of the 17 sustainable development goals, we begin our journey on the exploration of the Water Cycle with the aim of raising awareness over the sustainability of water.

Our journey was started with the characteristics, properties and usefulness of water and will proceed with the realization that everyone needs to have equal access to it and the necessity of reducing the pollution of water. It will conclude with our effort to make all of us take action in the future!



Our expectations from the project:

Our participation in the project was a journey with a lot of interesting actions which excited the children as well as the educators, during which the students managed to gain knowledge regarding the usefulness of water through experiential activities and experiments. Using codes and robotic activities enabled them to develop computational and mathematical thinking. They took initiative in order to seek solutions to the vast issue of water that emerged through them. They also suggested certain ideas to their parents concerning water saving and clean seas.

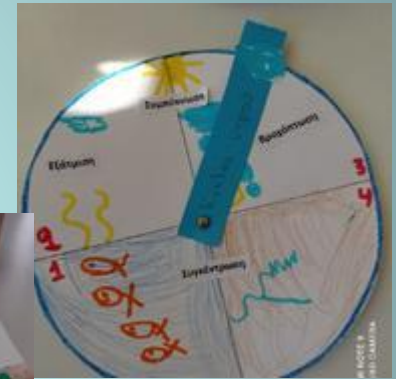


Creating mascots





Water cycle



The water cycle

Monday, February 10, 2020
 Teacher read us two stories about water journey. A Water Drop and a Flood Trip. Water Drop - (Kamishibai, small theater equipment)

Tuesday, February 11, 2020
 We learned that water makes a long journey. It evaporates, goes into a cloud, falls back to earth as rain or snow, then soaks into the ground or runs off. She goes through the stream, then the river then the ocean to reach the ocean.

We looked for words (GS) or images (FS-MS) to illustrate the meaning of the water cycle. Then we watched a video - (FS-MS) - How water evaporates? (https://www.youtube.com/watch?v=COXvoun5LUC)

On the water cycle and a another to explain to us.

not to be dirty and waste water because all living things need water to live.

Water Cycle



← Video



← Presentation

Experiments



Water experiences

On Monday January 11, Jacqueline from the CPIC came to the class to show us experiments on water.

We have seen that water takes up as much space in a glass as semolina. You can catch the semolina because it is solid but not the water because it is liquid.

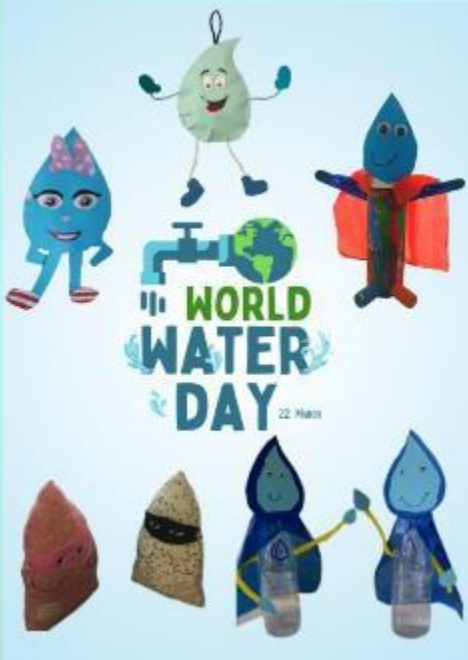
We have also seen that water has no taste and that if you mix salt in water, it disappears but the water is salty when you drink it (like in the sea).



And we redid the experiments on water which becomes solid when you put it in the freezer and which evaporates when you heat it.



World Water Day(March 22)Poster



← Video

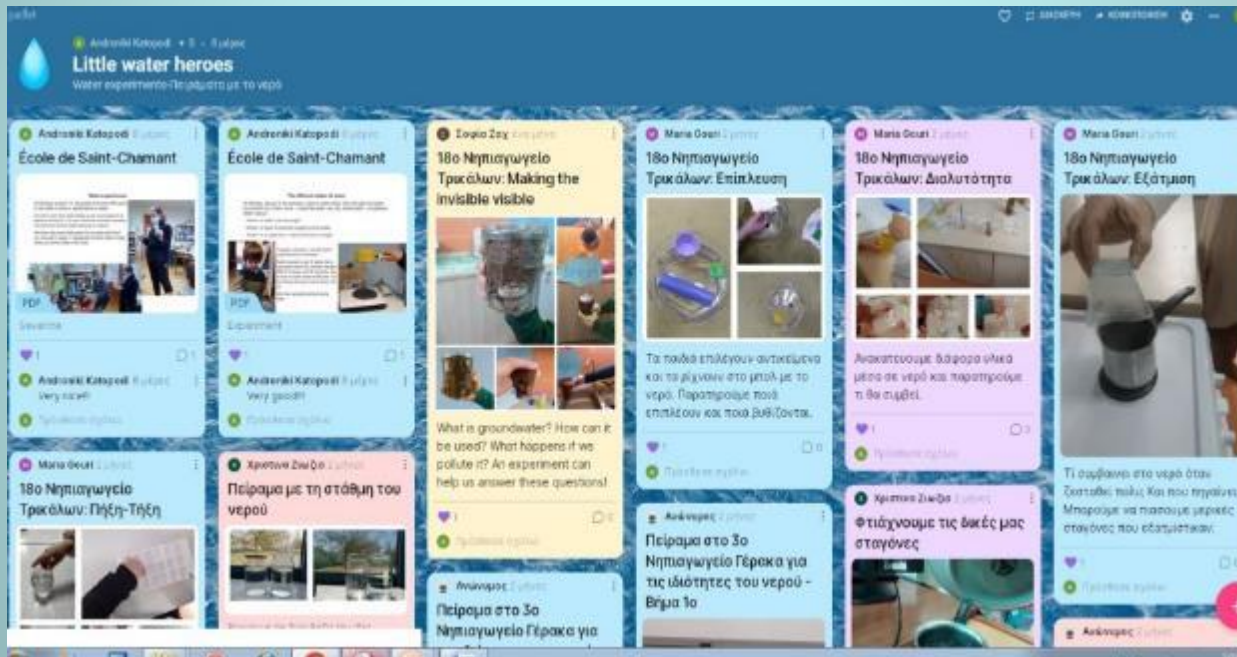
Messages poster for saving water



<https://www.thinglink.com/scene/1571230164996587523>

STEAM

Science Technology Engineering Art Mathematics

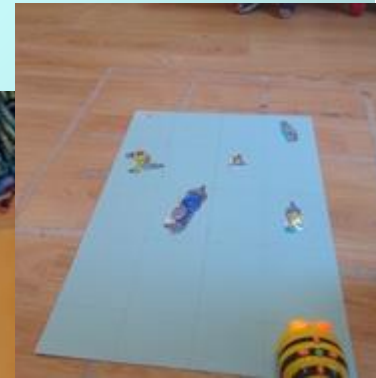
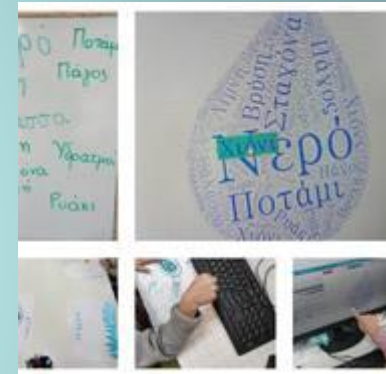


<https://padlet.com/nikikat46/icr5g7gk1x2oo95>



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STEAM (unplugged activities) and with Beebot



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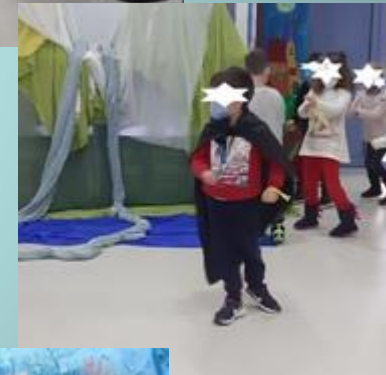


Hydrodynamics:

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



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Ποίημα –Poem

Είμαστε εμείς μικρούλες σταγονούλες
που ήρθαμε σε μέσα από τις βρυσούλες.
Κάναμε ταξίδι πολύ μακρύ
βγήκαμε από το έδαφος βαθιά μέσα από τη γη.
Εκεί κάτω κρυβόμαστε και είμαστε υπόγεια
κανένας δε μας βλέπει μα φτάνουμε παντού.
Ερχόμαστε σε όλα τα σπιτικά
δροσίζουμε τα δέντρα, τα ζώα, τα φυτά.
Προσοχή όμως πολύ σε αυτά που θα σας πούμε
γιατί είμαστε ένας θησαυρός και θα μολυνθούμε.
Φυτοφάρμακα μην ρίχνετε και απόβλητα πολλά
ούτε εντομοκτόνα και λιπάσματα που είναι βλαβερά.
Πολύ πολύ προσέχετε όλα τα νερά σας
για να χεστε ζωή εσείς και τα παιδιά σας.



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Ποίημα –Poem

Μικρή μικρή σταγόνα ξεπήδησε από το νεράκι
και μπήκε μέσα στην τάξη
για το ταξιδάκι να μας πει
που έχει ενδιαφέρον πολύ.

Βρίσκεται στη θάλασσα, στις λίμνες, στα ποτάμια
μα όταν ο ήλιος βγει και αρχίζει και ζεσταίνει
ξεκινάει η εξάτμιση παιδιά
και ψηλά ψηλά ανεβαίνει.

Συναντά πολλές πολλές άλλες σταγόνες
ενώνονται μια αγκαλιά σαν όμορφες εικόνες
Η συμπύκνωση φτιάχνει σύννεφα μεγάλα
μας είπε η σταγόνα μας που έγινε δασκάλα

Μα όταν έρθει κρύο και αρχίσει να βαραίνει
σα βροχή σκορπίζει και στη γη πηγαίνει.
Ατέλειωτος ο κύκλος της συνέχεια γυρίζει
από τη γη στον ουρανό και πάλι ξαναρχίζει.



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Water pollution



Waste water cleaning

On Monday April 11, I organized for in the CTE room to make for a water filter made out of a water treatment plant for a school as it. We work with the G.P and the G.C.L. We made groups.

To make the filter we used a bottle, cut straw, coffee, coarse gravel, fine gravel, sand, charcoal and a coffee filter.

1. We cut off the bottom of the bottle and threw it away.
2. We put coffee.
3. We added the big gravel then the small one.
4. We put sand on top.
5. Charcoal was added.
6. We put the coffee filter on top.
7. We placed the bottle cap and put a piece of paper in the top.
8. Water has been added without coffee.
9. We cut off the top of another bottle placed the bottom of that bottle under the first one.
10. They water has been poured into the first one.
11. After a few minutes you could start to see the bottom bottle.

Our filter worked!




Water protection



← Litheos River



← Where does the water go?

<https://www.voki.com/site/pickup?scid=18962041&chsm=ff60272a69ea4a086a8b47cfd2af3030> ← Watermill

Presentation with Results



[Our students ideas on preventing water pollution](#)

Suggestions for water protection



<https://www.youtube.com/shorts/rfrGfy6LT1Y>

Assessment of the program

The assessment of the program (initial, formative, summative) was conducted with the following tools:

- discussion
- artistic expression
- observation
- model of the water cycle
- worksheet for the enrichment of the students' portfolios
- questionnaire by the students through the kahoot tool

<https://play.kahoot.it/v2/?quizId=dcf935cc-28ef-43e3-a3ea-bbfdd8d562e6>



Dissemination of the program

The dissemination-sharing of the program was conducted through:

- posts on the educational platform of eTwinning, in the private space of the collaborative project
- presentation of our actions to the parents during the celebration for the end of the school year and creation of a DVD for the families of the students
- posts of our actions on the official website of our school (<http://3nipgerak.att.sch.gr/>), on the other schools websites and on our social media pages too (<https://www.facebook.com/3nipgerak>).
- digital presentation-evaluation of the program
- creation of promotional material such as tips through the mascot of the project and though the title of the project printed on T-shirts.

