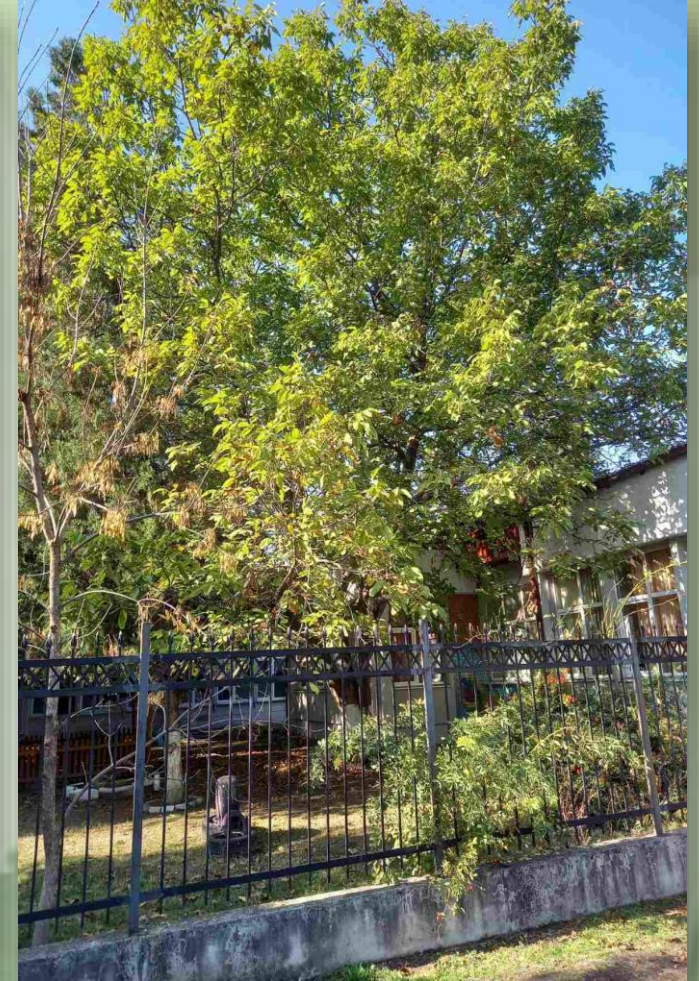




MY TREE

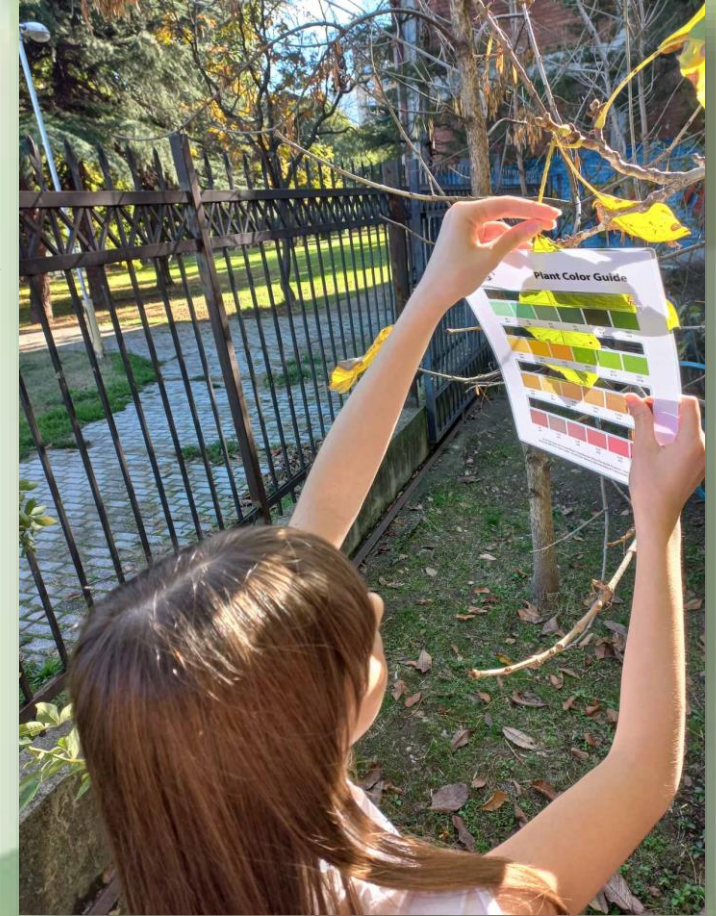
How did we begin?

We chose a tree that is located in our schoolyard. The tree isn't shadowed by a building. It is a big, tall walnut tree. Walnuts belong to the genus *Juglans*. We selected 4 leaves from a lower branch and we put numbers on them so we could investigate them properly.



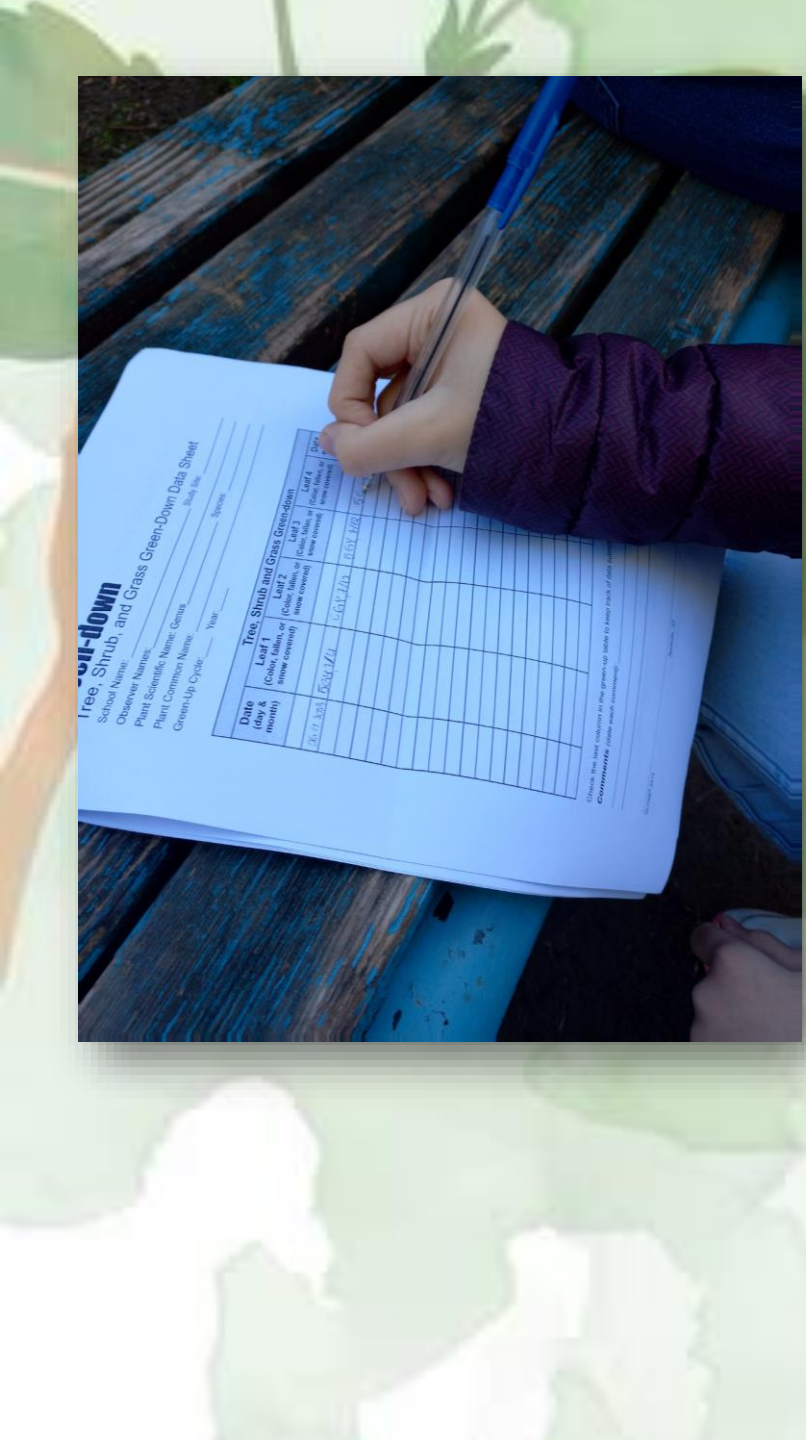


- Every once in a while, we checked the leaves from the chosen branch, collected important information about their color and entered them in a table. But we weren't the only ones who participated in this project, our younger friends, and students from the third grade helped us and were part of this adventure.



Our tools

- We were given a sheet of paper called the GLOBE Plant Color Guide with all the different types of leaf colors. Every time we checked on the leaves, we had to compare the leaf's color to the color guide and put a certain percentage in the GLOBE Green-Down Data Sheet. When the leaf fell, we wrote "fallen" because the color didn't change after it fell.



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Results

- On the first day of the leaf examination, leaf 1 and leaf 3 were a darker green color, leaves 2 and 4 were a little lighter than the other two leaves.
- After three days leaves 1, 2 and 4 were the same color and leaf 3 was a little lighter.
- A week later, all the leaves were still the same color.
- A few days later, the first and fourth leaf were an other color, meanwhile the second and the third leaf were yellow.
- In the following week, nothing was different, except leaf 1 was a lighter shade of brown.
- later that week leaf 1 and 4 fell, but the other two were still an other color.
- On the last day of the observation, everything was the same, except leaf 2 had a brown-grey color.

Here is the data put in a table

Date (day & month)	Leaf 1	Leaf 2	Leaf 3	Leaf 4
09.10.2023	5GY 4/8	5GY 5/10	5GY 4/8	5GY 5/10
12.10.2023	5GY 5/10	5GY 5/10	5GY 6/10	5GY 5/10
16.10.2023	5GY 7/12	5GY 7/12	5GY 7/12	5GY 7/12
19.10.2023	5GY 7/12	5GY 7/12	5GY 7/12	5GY 7/12
23.10.2023	7.5YR 6/4	2.5Y 8/12	2.5Y 8/12	7.5YR 6/4
26.10.2023	7.5YR 5/4	2.5Y 8/12	2.5Y 8/12	7.5YR 6/4
30.10.2023	fallen	7.5YR 6/4	7.5YR 6/4	fallen
02.11.2023	fallen	2.5R 4/2	7.5YR 6/4	fallen



The background of the slide features a soft-focus photograph of green foliage. Several large, rounded green leaves are visible, some with prominent veins. A thin, brown, woody branch or stem curves through the frame, adding a naturalistic touch to the design.

We are very glad that we were part of this GLOBE project. We learned many new things about trees and plants and most importantly we had so much fun. We also hope that there will be many more projects like this one and that my friends and I will be able to participate again.

Sincerely, students from Petar Pop Arsov