

Carbon Activities

by

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A team of students from Kinasivska secondary school of I-III degrees from Ukraine led by Tatyana Gannich and Valentina Shevchenko researched role of trees in the carbon cycle.

The research was carried out using the [carbon activities](#) of the 2020 Spring Tree observation campaign (Phenology Campaign).

Activity 1 – Tree Growth Game

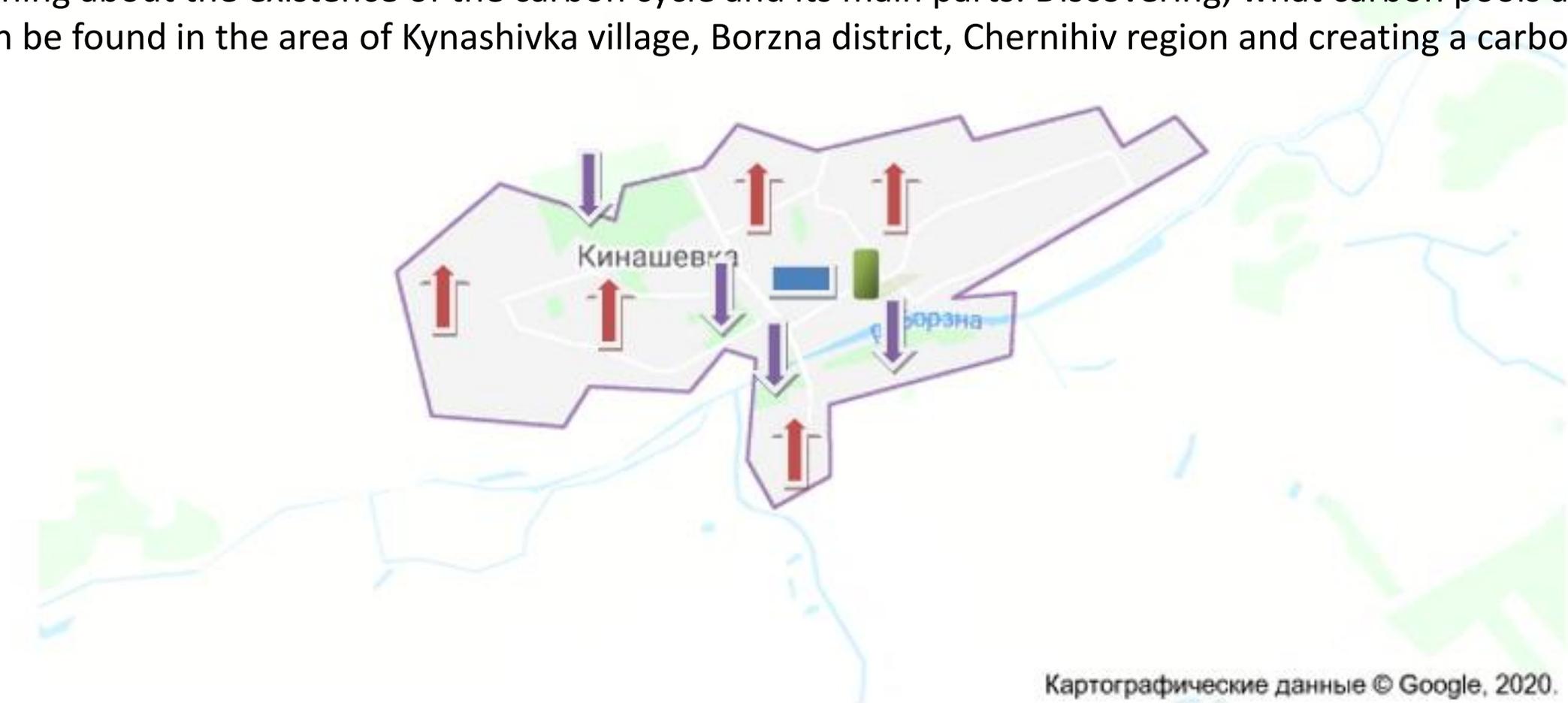
Learning, how a tree absorbs and stores carbon.





Activity 2 – Carbon Around Me

Learning about the existence of the carbon cycle and its main parts. Discovering, what carbon pools and flows can be found in the area of Kynashivka village, Borzna district, Chernihiv region and creating a carbon map.



legend:

Carbon absorption



Selection of carbon



- School



-- park area "Phenology 1"

Activity – Carbon in my tree

Calculating the age of trees and learning that trees of different age bind different amount of carbon.

Results for birch

Tree Species	Stem circumference	Approximate age
Birch	33 cm	13 years
Birch	97 cm	37 years
Birch	240 cm	91 years



Activity 3 – Carbon in my tree

Results for Oak

Tree Species	Stem circumference	Approximate age
Oak	211 cm	166 years
Oak	44 cm	35 years
Oak	83 cm	65 years
Oak	94 cm	74 years

