

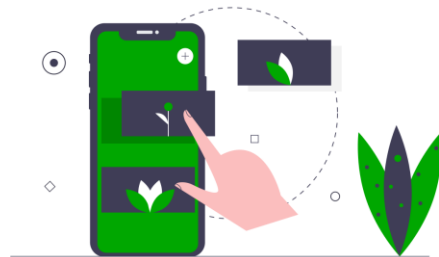
Tour to nature and to the soil laboratory

Soil, pH and plants



Introductory Notes

- The teaching unit should be preferably held from March to November
- Duration for the task: 120-240 min



Digital Competences

- Selecting, collecting and documenting data
- Checking information for accuracy
- Photo editing, creating image collages
- Disclosure of information by ICT tools
- Creating an e-book

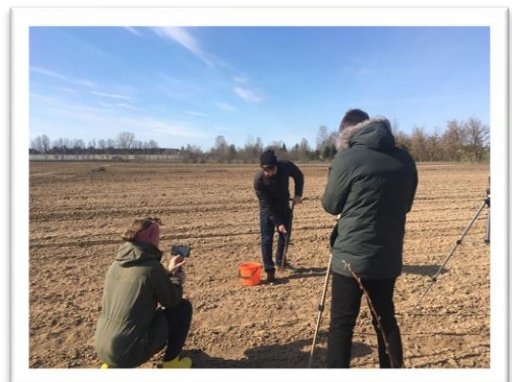
Recommended Devices and Tools

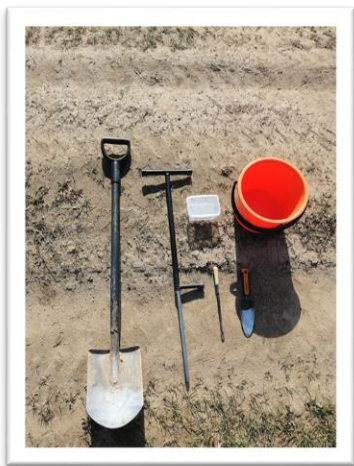
- Personal mobile phone or tablet
- Computer
- Book Creator (to create an e-book)
- Pixabay (to find photos of plants)
- PiZap (to edit photos and making collages)



Task

Work in a group of two persons. Collect a soil sample from field; determine its pH at laboratory. Use the guide to determine soil acidity. Find at least 5 suitable garden plants from the given plant groups (vegetable, fruit or ornamental plants). During the class write down all activities and data. Make photos from the practical and laboratory work. Create an e-book and present your results.





Step 1

Form groups of two persons. Go to the field and collect soil sample for determination of its pH. Follow the rules for collecting the soil sample. Document (make photos, write down) all activities.

Step 2

Go to the lab. Read the instructions for determining the pH of a soil sample. Gather all the necessary materials and tools to your table. Perform the experiment and determine the pH of the collected soil sample. Document (make photos, write down) all activities.



Step 3

Discuss the results. Choose the group of plants you take more interest (vegetable plants, fruit plants or ornamental plants). Investigate the soil acidity requirements of the plants in the selected plant group. Select at least five plants, which can grow on the soil with the specified pH from the soil sample.

Step 4

Create an e-book in Book Creator based on documented data. Edit clicked photos and make collages by using PiZap. Use the Pixabay to find photos of plants.



Photographed by Aigi Salundi-Galitsin and Katrin Uurman



Erasmus+

