

## SOIL

The soil is very important to us - as a source of sustenance, a reservoir of water, nutrients and carbon.

### Task No.1

Check with your own eyes that the soil contains air.

- Suggest how you would find out that air is in the soil.

Tools: a cup with soil and a jug with water

Check with your own eyes that the soil contains water.

Students will be divided into 3 groups and each group will try to propose a way to prove that the soil contains water.

Tools:

Each group is given a soil sample and the following aids that serve as hints.

- The first group gets a scale for weighing.
- The second group gets a tissue or a absorbent paper.
- The third group gets a test tube and a candle.

### Task No.2

Watch video about the soil erosion

<https://www.youtube.com/watch?v=5Is5VcyL6WU>

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### **Task No.3**

#### **Wind erosion as a geographical experiment**

As all teachers have known since the time of Jan Amos Comenius, if it is even a little possible, the subject matter should be presented to students in a visual way. The principle of wind erosion, the factors that affect it and its impact on the landscape are not difficult to understand. However, you can better introduce it to the students through a small experiment, with the help of which they will experience erosion directly in the classroom. During the experiment, students have the chance to estimate the changes in the intensity of wind erosion of the studied area, caused by changes in several meteorological and soil factors, such as precipitation, soil moisture, wind speed, soil particle size, or plant cover.

#### Tools:

electric fan or hair dryer, 20 x 20 cm containers, soil covered with grass, soil with mowed plants, stones, gravel, clay soil, sandy soil

#### Procedure:

- Describe to the class what wind does to each type of soil.
- Test each soil sample by running an electric fan or hair dryer on it.
- Study the effect of strong winds on the soil.