

Are There Trees That Are Older Than Dinosaurs?

MATH

Get curious

Talk

Talk about the oldest organisms on Earth.

Do you know of any long-living plants or animals?
When were the dinosaurs living?

Video/ Slide show

Students watch a film about the oldest tree in the world.

Talk

Talk about the film

How old is Methuselah, the oldest tree in the world?
What can we learn about climate changes from trees and how can we do this?
Are there any trees in the world that date back to the times of the dinosaurs?

Get going

Counting

Children count the rings of a tree and calculate its age.

Children use the photos prepared for them.

Summary

The students compare the results and draw their own conclusions among themselves.

Counting

How can we calculate the age of a tree without cutting it down? The students measure the circumference of a tree and calculate its age on the basis of factors.

This part of the class takes place outside – the students measure living trees and calculate their age based on the growth factors table.

This is an interdisciplinary task. It is mathematical: You will make measurements and interpret data. However, you will also need to use your knowledge of nature.

Presenting results

How old are the trees you have measured?

The teams share their results, compare them and draw conclusions.

Get practicing

Counting

Using the knowledge the students have acquired during the lesson they can: look for the oldest tree in their neighborhood or calculate the sequoia growth factor using the date from the video.

This task may be performed as homework.
