

# Sustainable Development in Science Education

Magyar Csabáné and Pataki Zsuzsanna | Eötvös József High School | Tata | Hungary

## Earth Day – Our Earth is our worth

About our special atmosphere for everyone

### Preparing the planets of our Solar System.

What do we know about them?

- What their size is compared to the Sun?
- Do they have an atmosphere?
- What about the pressure and temperature?

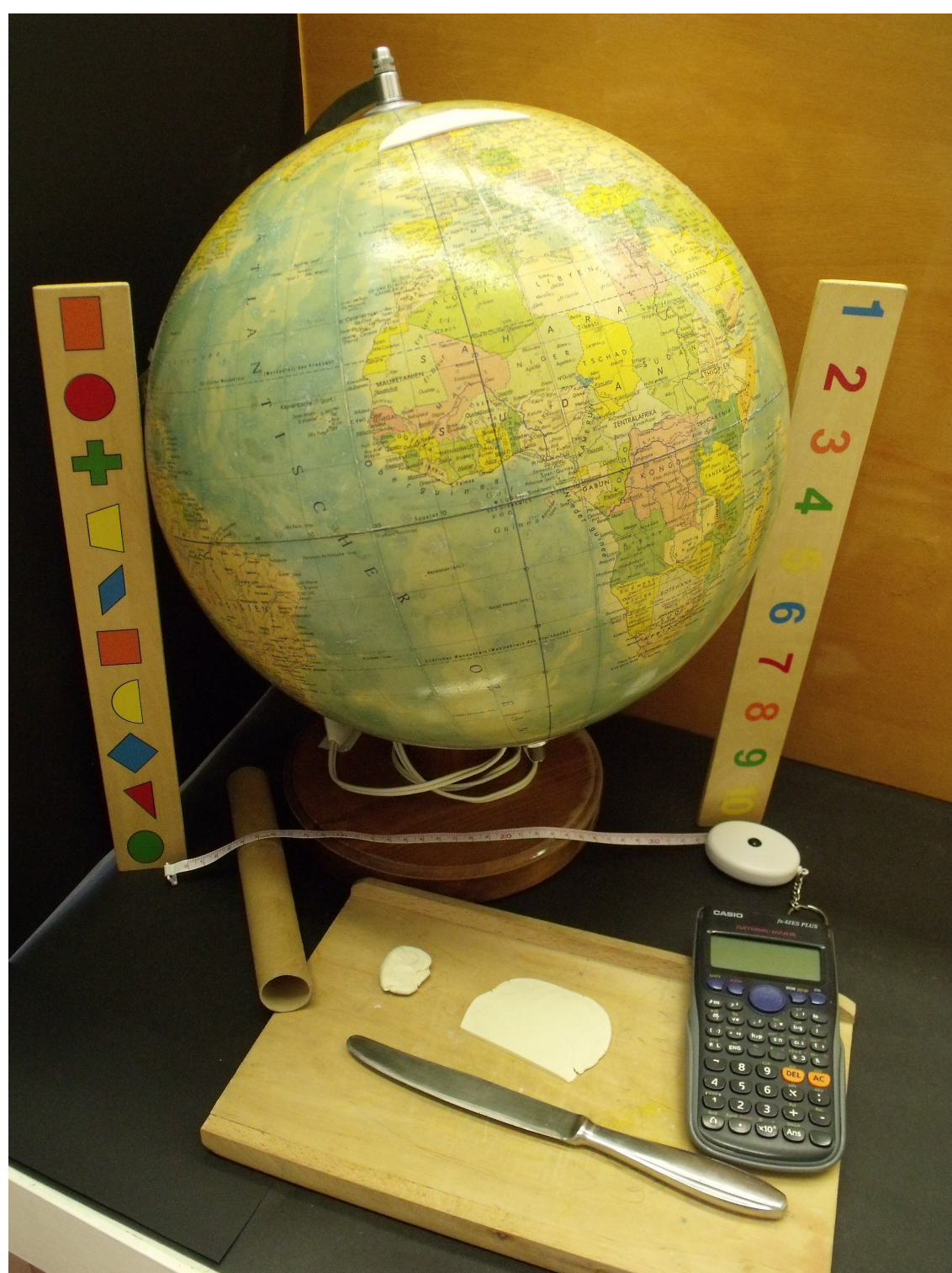
Visiting the planets with the phone.

**What an exceptional place the Earth is!**

### Modelling the air layer of our Earth.

- measure and calculate
- make the scale layer out of plasticine

**Did you know we have so little air?**



### Modelling the greenhouse effect.

- Examine how high the heat retention capability of  $\text{CO}_2$  is: without this, it would be 30 degrees cooler.
- However, too much  $\text{CO}_2$  makes the Earth too hot, the ice caps are melting releasing methane, which makes this place even hotter.

**What can you do?**

Student experiments for every age group,  
using simple tools.

Surprising and thought provoking experience.

Effective skills and attitude development.

[www.eotvos-tata.sulinet.hu/jogyakorlatok.htm](http://www.eotvos-tata.sulinet.hu/jogyakorlatok.htm)

