

Outdoors classes

Barbara Szymanska-Markowska
Poland (barbaranetta@tlen.pl)

Affiliations:

Gimnazjum Number 2 in Ruda Śląska, Sprusa Street, 41-700 Ruda Śląska, Poland
barbaranetta@tlen.pl

Why should students be trapped within the four walls of the classroom when there are a lot of ideas to have lessons led in the different way? I am not a fan of having lessons at school. For many students it is also boring to stay only at school, too. So I decided to organize workshops and trips to Universities or outdoors.

I created KMO (Discoverer's Club for Teenagers) at my school where students gave me some ideas and we started to make them real. I teach at school where students don't like science. I try hard to change their point of view about it. That's why I started to take parts in different competitions with my students.

Last year we measured noise everywhere by the use of applications on a tablet to convince them that noise is very harmful for our body and us. We examined that the most harmful noises were at school's breaks, near the motorways and in the households. We also proved that acoustic screens, which were near the motorways, didn't protect us from noise. We measured that 30 meters from the screens the noise is the same as the motorway. We won the main prize for these measurements.

We also got awards for calculating the costs of a car supplied by powered by a solar panel. We measured everything by computer.

This year we decided to write an essay about trees and weather. We went to the forest and found the cut trees because we wanted to read the age of tree from the stump. I hadn't known earlier that we could read the weather from the tree's grain. We examined a lot of trees and we can tell that trees are good carriers of information about weather and natural disasters.

I started studies safety education and I have a lot of ideas how to get my students interested in this subject that is similar to P.E., physics and chemistry, too. I hope that I will use my abilities from European Space Education Resource Office and GIFT workshop. I plan to use satellite and space to teach my students how they can check information about terrorism, floods or other disasters. I am interested in space and the Solar System, too. I want to improve my knowledge from this kind of science.