



Students' Group report on E-learning and Flipped Classroom Activities (IO4)

Students' names and surnames: Karsai Reka, Szabo Dora, Anisei Andrei, Tanko Darius

Class: IXth

Institute: LICEUL TEORETIC SFANTU NICOLAE

Country: ROMANIA

Specific in-depth topic of own home study and why this topic has been chosen

We have chosen "**Soil pollution**" as we found out that it is a very serious threat to our life and environment. According to the Food and Agricultural Organization of the United Nations, soil contamination is a global concern that is particularly severe in regions such as Europe, Eurasia, Asia, and North Africa (FAO). According to the FAO, one-third of the world's soil is already degraded, either severely or moderately. Furthermore, recuperation is so slow that a 1 cm layer would take 1,000 years to form.

When the concentration of contaminants on the surface rises to the point where they affect land biodiversity and endanger human health, particularly through food, this invisible disease appears. Chemicals, insecticides, and fertilisers are used in activities like stock breeding and intensive farming, which damage the land, much as heavy metals and other natural and man-made chemical compounds do.

In the flipped classroom we made some interactive activities. First, we researched the topic, work on a project, gave a presentation, followed by a Q&A session. Then we did a Kahoot Questionnaires that we did in groups and played with our classmates.

We set out tasks within the group, set the elements we will do for the project, shared our tasks, and began to sketch it out. We looked for more information after investigating soil and water materials on the CiELO



platform in order to address the pollution problem as soon as possible, so we're closer than we thought, and we should start trying to stop it now.

Comment about the activity done at home

After our agreement on the topic, each of us made research and looked for resources for our presentation. After we had all the materials, we met several times to choose the one to be used and split the tasks. Then we prepared a PPT presentation. Before the actual presentation, we had a meeting or two with the teachers to get comments and suggestions.

Then we did a presentation to our classmates and other project members about our topic. Each of us had various responsibilities and tasks.

Another exercise made by us involved making a Q & A activity, turned into a Kahoot game based on one of the soil issues. It was a game that we played with our classmates.

All of the groups were invited to play it, and then we had a discussion about the choice. We had a reflection activity and feedback at the end.

Comment about the interactive activity in the classroom

Working on our own while being guided by our teachers was a great experience.

It was an excellent way for us to develop our public speaking skills while also learning interesting and relevant information about a subject that we are interested about and that is extremely important.

The exercises were engaging, and the kids were more focused and motivated than they are in most classrooms.

We made a lot of progress of independent learning and gave special attention to the material in the presentation. We provided supplementary clarifications to our colleagues who had prepared questions for us. We also held a quiz to evaluate the level of interest among the participants.