



Students' Report Group 11 on E-learning and Flipped Classroom Activities (IO4)

Students' names and surnames and class:

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Specific in-depth topic of own home study and why this topic has been chosen (at least 200 characters)

Studied topics for discussion:

What is the main reason of phosphorus reduction in the soil?

Too much phosphorus in soil can cause plants to grow poorly or even die. That is the main reason why reducing phosphorus in soil is necessary in order to improve growth of plants.

Why do living beings need phosphorus?

Phosphorus may not be good for soil and plants but for living beings such as us and some other animals it is very important because without it we wouldn't be alive. Phosphorus can be found in DNA and is very important for bones and teeth.

What has the greatest influence on the pollution of water?

The greatest influence on the pollution of water has industrial waste and especially sewage and wastewater.

Why is the recovery of soil so important?

It helps protect natural resources and watersheds, restores habitats for plants and wildlife and improves water quality.

What would happen if we didn't stop water pollution (globally)?

There won't be enough drinkable water and it could affect lives of animals that live in waters and damage food chains.



How effective is riverbank filtration?

It is quite effective but maybe it could also be improved with the help of modern technology.

Is heating the subsoil the best way of eliminating contaminants in the soil?

It is a great way of eliminating contaminants from the soil and it can even be used for our homes.

Comment about the activity done at home (at least 300 characters)

At home we learned some fascinating and useful things about sustainability, soil and its importance and about water pollution and remediation. It was quite an entertaining activity and the videos were interesting to watch. In some videos there were presentations and graphical representations to help us better understand about water pollution and its remediation. There was also an e-library where we could read more about topics mentioned in videos and learn in detail about soil and water. Tests that we had to do in order to check our newly learned knowledge weren't hard but rather fun and the questions were very interesting.

Comment about the interactive activity in the classroom (at least 400 characters)

In the classroom some of the students held TED talks about chosen topics. The topics were attractive and students said some interesting things about those topics. They made us aware of some real problems that are present in today's world and presented some of the possible ways to solve them. We also had another flipped classroom exercise. We gathered at a round table to discuss questions that we had about the topics we learned about at home and tried to answer them. There were some great questions that really made us think about the topics and issues that are present these days such as pollution and contamination of the environment.