



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

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

We chose "Water purification" as our research topic and prepared two separate activities.

Why water purification? Because water is probably the most commonly used laboratory reagent and is often taken for granted. There are a variety of techniques available to purify water for the various different uses for which it is required and our intention was to highlight them, the good and bad points of each.

As activities during the flipped classroom, first, we had to complete a project, then give a presentation followed by a group discussion. Then we participated in a group Question - Answer exercise called Kahoot quizzes, which we created and played with our peers. Having studied the materials on the Cielo platform about soil and water we found water and its purification the most useful and interesting.

We considered that water purification is more important because we use the water daily in everyday life and activities such as cleaning ourselves and our clothes, drinking it and others.



### **Comment about the activity done at home**

After the teachers' presentation about the procedure, we brainstormed the topic and finally we agreed upon it, then each of us researched on the topic and we looked for the materials for our presentation.

We met numerous times to choose materials, share tasks, and settle on the format of the presentations, after which we created a PowerPoint presentation.

Before the final touching up, we had a meeting or two with the teachers to get advice.

After that, we gave a presentation to our classmates and other project participants. Each of us had a different role, so we split up into two groups, one of which performed the research and the other presented the PPT.

A Q&A session and feedback from our peers and teachers followed the presentation.

Another assignment was to make a Kahoot game based on one of the water-related themes.

It was a game we played with our classmates. All groups were invited to play it and then we had a debate on the topic chosen and the teachers explained the questions where we gave wrong answers.

We had a reflection activity and feedback at the end of this activity.

### **Comment about the interactive activity in the classroom**

The information provided in the presentation was given some thought.

Our colleagues who had prepared questions for us received additional explanations from us.

We also conducted a quiz to see how attentive our audience was.

We had a good time while learning in a pleasant way.

It was a great method to improve our presentation abilities while also learning new and important information about a topic we're passionate about and is extremely current. Working independently while being mentored by our teachers was a lot of fun.

We thought the exercises were engaging since students participated better than they do in ordinary classes.