

Erasmus+ project

How Children Learn

Between 7th and 11th of Mars the second Learning/training/Teaching week in our project “How Children Learn” was held in Sweden.

We were at Navet Science Center in Boras, close to Harryda municipality in the west of Sweden.

The focus area for the meeting was *problem solving in an international context*.

All participating schools were represented by pupils and/or teachers and the group was over 50 persons.

Monday 7th of Mars

The project group was welcomed by two teachers from Navet, Sara Bagge, Mia Magnusson and the director Lotta Johansson.



The first day was used to get to know each other and the pupils were put in different multinational groups to solve problems and to communicate with each other. They were supported by their teachers who helped with translations if necessary. The groups of pupils were made totally randomly.

The first task was to make a puzzle without any information of the actual conditions. (Like that the puzzle parts were mixed between the groups and that there were one puzzle less than the groups.) Remarkably fast, the pupils moved together and solved the puzzle as one instead of seven groups.



All days the group went to a school nearby and ate their lunch.



In the afternoon the task was to build a water clock that sank in the basin after exactly one minute and the day ended in building a candy catcher



Tuesday 8th of Mars

The whole day was devoted to chemistry. It started with some experiments that was showed by Joakim Sandström and Erik Vikstrand. After the demonstration, the group's task was to construct an experiment that looked the same as some shown big test tubes. The pupils and teachers (in their own groups) had to deal with indicators, density, making gas and pouring liquids very gently.



The forenoon ended with a meeting with Chief inspector Inga (Nina Svensson). She wanted some help with a tricky case about a stolen picture in an art museum. The group was invited to participate in an interrogation with some suspicious people working at the museum and then helping Inga with investigating evidence from the crime scene.



After lunch Norway and Sweden presented their countries and schools in a MultiSensory Space area that was built up in a big room. While the two nations were preparing the rest of the group was investigating the Makers Space of Navet, called Tessel.

The afternoon ended with a chemistry show with a dragon that was blowing fire and liquid nitrogen. And some ice cream.

Recipe
1 litre milk
1 litre cream
1 dl sugar
Vanilla
Strawberry jam
Some litres of N (l)



Wednesday 9th of Mars

MultiSensory Space presentations from Finland and Scotland before lunch and Netherland and Spain after the lunch.

The group met Sonya Kovalevskaya (Riitta Kilén) and Archimedes (Joakim) in the Palace of Mathematics and made an investigation about pi.

There was also time to try the different stations at Tessel, the Makers Space (also with Fedoua Beckerman).



Thursday 10th of Mars

The project group spent the whole day outdoor at a small farm in a forest nearby Navet. The group had to make their lunch on open fire. The meal consisted of bread, sausage, blueberry soup and salmon that was made in a cooking pit with hot stones in the bottom.





Thursday ended in an Erasmus plus party at Navet. At the end of the party the coolest teacher and the teacher with the biggest mouth was designated in a test.



Friday 11th of Mars

In the forenoon there was a competition between mug robots that was built in Tasset.

The Learning/Training/Teaching week ended in a trip out in the space beyond the Earth.



In the national groups there were time to evaluate the meeting, among other things, that the whole project meeting was held in English. The teachers had a specific task to document what was happening for dissemination of the meeting at home. Hopefully pupils as well as teachers had a good time in Borås, thinking of and trying how to learn in a lot of different ways.