



Hidorroute 55

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“HIDROROUTE 55”

Saving water is a recurrent topic for students in Spain because the Mediterranean zone suffers periodically severe droughts. Any student knows it and is able to repeat some basic advices like “take showers instead of baths, or “close the tap when brushing your teeth...” But maybe this is a quite superficial awareness about shortage and saving water. Where does the home flowing water come from? How can we be sure that this water is clean and safe to drink? And, tomorrow or next week, will be there water in our tap? Perhaps working in these questions is a good way to understand how difficult is to get water to our homes.

In order to deepen in the question we are preparing a teaching unit titled “Hydro route 55: from the Earth to la Maurina trough the water” on 1st ESO level students (12 years old) of the secondary public school “Institut les Aymerigues” in Terrassa (Barcelona). Students’ tasks will be to search information about the way water gets to their homes, including water cycle, treatment and saving water... This unit belongs to an integrated project with all areas involved (history, mathematics, technology, languages and music) that aims to approach students to different aspects of their zone in Terrassa (La Maurina) and it will be implemented at the end of the second term, just some weeks before the Vienna’s meeting.

School and teaching team:

Institut les Aymerigues is a new school that this year has only 1st ESO students (12 years old). Teaching staff is engaged in developing an integrated and based on competences curriculum. In this context we integrate English and Science content in a unified teaching schedule of six hours per week for the students. One English teacher and two Science teachers are involved in it. In addition we have three student teachers from “Master of Secondary Teachers Training” that are in charge of preparing the Hydroroute 55 activities with the titular teachers.

We illustrate students’ tasks such as the preparation of a simple water treatment system in the lab, an hydrographical plan of the city or some examples of the oral presentations in English about the main topics of the unit.