Tour

Les Màquines de l'Aigua (Water machines)

Technology
Scientific culture

High School



Description

Having access to water is a daily necessity for all humans arround the world. Thanks to this tour, students will discover some technological aspects involved in the process of water's catchment and distribution through history. They wll also discover the evolution of this process in Central Cornellà, from 1909 until today.
In the permanent exposition, there are some machines and materials that are involved in water elevation, transport and control. They have made possible the fact that all people have daily acces to water. However, we have to bear in mind that nowadays, not all people have access to water.

ACTIVITY GOALS

→ **Knowing some of the machines involved in the catchment of water,** in order to locate them in an historical context

→ Knowing what is it and how it works the process of catchment and distribution of water in Central Cornellà.

→ **Discover the evolution of water machines**, materials and energy, through the observtion of the museum's exposition and heritage.

SDGs



Capacity: class group (25-30 students)

Duration: 75min

Schedule: 10h and 12h

Museu de les Aigües

ADDITIONAL RESOURCES

Through education, we want to move toward a more sustainable and environmentally respectful society that values the importance of water in our lives. For this reason, we invite you to continue learning about water with the museum's digital resources best suited for this age group:

Water: the driving force of the city

A four-episode documentary serie will show the challenges of managing the integrated water cycle, explained by people that participate in the process.

https://www.museudelesaigues.cat/activitats/docuserie-aigua-impuls-ciutat/

Water science

In "Water science", the scientist Dani Jiménez will challenge you to try some experiments that are thought to have a good time with your family. You will discover some water propierties and the scientific method.

https://www.museudelesaigues.cat/activitats/la-ciencia-de-laigua/?educativa=true

Educational activities for the virtual Museum visit

Remember your visit to Museu de les Aigües and show what you have learnt about water, sustainable development, biodiversity and SDGs.

https://www.museudelesaigues.cat/activitats/activitats-educatives-visita-virtual-museu/?educativa=true

Educational activities for the virtual ETAp visit

Participate in these virtual interactive activities that are a perfect complement to the virtual visit through the Drinking water treatment plant in Sant Joan Despí. You will learn how to make drinking water!

https://www.museudelesaigues.cat/activitats/activitats-educatives-visita-virtual-etap/?educativa=true

24/7/365 The complexity behind having tap water

Thanks to this game you will discover infrastructures, people and all the necessary tasks that are ncesessary to supply water to more than three milion people, 24 hours a day, 7 days a week, 365 days a year.

https://www.museudelesaigues.cat/activitats/24-7-365-la-complexitat-de-tenir-aigua-de-laixeta/?educativa=true

Origin, save the water

"Origin, save the water" is an interactive comic in which you decide how to continue the story. The challenge? Help two teenagers in their adventure to return water to their home.

https://www.museudelesaigues.cat/activitats/origen-rescatem-laigua/?educativa=true

The millennium challenge

A puzzle game about SDGs and their connection to water. A starting point to learn about SDGs, which are part of the commitment that almos 200 countries accepted and that they can be applied individually, collectively, at school, at home... All of us play an important role.

https://www.museudelesaigues.cat/activitats/repte-millenni/?educativa=true

BOOKINGS INFORMATION

➔ Please check availability in advance and make a booking (93 342 35 38).
➔ Please inform us in advance if any visitor has any special need, we will work in order to offer you an adapted activity.
➔ Please inform us if you come with a special educational needs group, we will work to adapt the activity you have chosen.
➔ Please be as punctual as possible on the day of the activity.

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