Combined activity

L'Aigua que Usem

The water we use

Biology, Geology, Technology and digitalisation

11-16 years old



Description

The simple act of turning on the tap conceals a complex process of water treatment, both before it reaches your home and after its use. This journey, known as the urban water cycle, is of paramount importance from both a health and an environmental perspective.

The visit to the Museum will allow us to learn about the water supply from a historical perspective, through the facilities of Central Cornellà. At the wastewater treatment plant, we will see the condition of the water after its use and the various stages of treatment required before it can be reused or returned to the environment.

ACTIVITY GOALS

→ Understand water is a natural resource, but **drinking water is 'manufactured'**.

→ Consider what **water sources we extract water from** and how we distribute it the Barcelona Metropolitan Area.

→ Discover the different **infrastructures** of **Central Cornellà** and their **role** in the distribution of drinking water, **in 1909 and today**.

→ **Reflect** on the **complexity** of **distributing drinking water** to the city.

SDGs



Capacity: class group (25-30 students)

Duration: 180min

Schedule: 9.30h & 12.15h

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

- ➜ Only available on specific days. Please check availability in advance and make a booking (93 342 35 38).
- ➜ Due to the characteristics of the wastewater treatment plant, this visit is not adapted to people with limited mobility or mobility impairments.
- ➜ Due to the security requirements of the wastewater treatment plant, it is not possible to arrange visits for groups with special educational needs.
- ➜ Please be as punctual as possible on the day of the activity.
- ➜ This visit is jointly organised by AMB (Barcelona Metropolitan Area) and Museu de les Aigües.

Museu de les Aigües