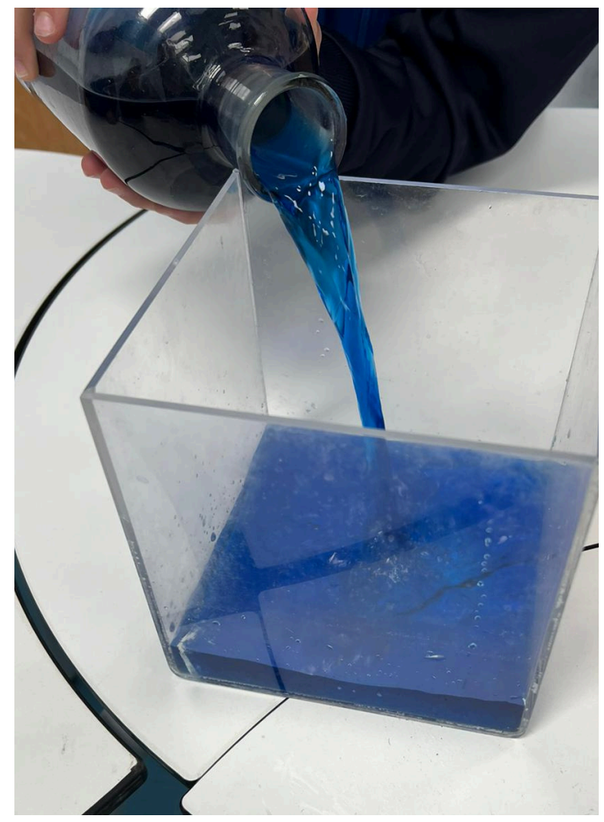
Workshop

Planeta Aigua

Water planet

Knowledge of the natural, social and cultural environment

8-10 years old



Description

At the Museum we have received a strange-looking liquid specimen from a natural environment. Dressed up as laboratory scientists, we can all work together to investigate what it might be.

Organised into teams, we will formulate hypotheses and carry out experiments to determine the properties of this substance. We will: test when it freezes or evaporates, which objects float on it and which sink and how it mixes with various substances. Once the mystery is solved, we will analyse who is polluting the water and how we can clean it.

ACTIVITY GOALS

→ Apply the **scientific procedure** to solve a question, first formulating hypotheses, then experimenting to confirm them and proposing conclusions based on the analysis of the results obtained.

→ Working with different **properties of water** by comparing it with other liquids to understand how it behaves under different conditions.

→ Understand that any use of water entails a change in its quality, and **analyse one's own actions** in order to propose preventive solutions to reduce the **impact on this resource**.

→ Learn to work **cooperatively** and to organise the work within the group to achieve a **common objective.**

SDGs



Capacity: class group (25-30 students)

Duration: 90min

Schedule: 10h i 12h

Museu de les Aigües

ADDITIONAL RESOURCES

Through education, we want to advance towardsa more sustainable ant respectful society with the environment, which values the importance of water in our lifes. For this reason we propose you to continue learning about water with the digital resources of the Museu de les Aigües. more adapted for this age gap.

Explore the Llobregat river

A game in game movie format to learn about the importance and ecosystem of the Llobregat River. (Only in catalan)

https://www.museudelesaigues.cat/activitats/explora-el-riu-llobregat/?educativa=true

Educational activities for your digital visit to the museum

Reflect on your visit to Museu de les Aigües and show what you have learned about the role of water in sustainable development, promoting biodiversity, achieving the SDGs, and your way of life. (Only in catalan)

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

Aqualogia

Aqualogia is a learning program made of games and interactive apps with which you can comprehend the Urban Water Cycle.

https://www.museudelesaigues.cat/activitats/aqualogia/?educativa=true

The water factory at schools. A Tinkering project.

We bring you closer to the Museum's digital Tinkering project, where we propose addressing the present and future challenges linked to water, using the tinkering methodology.

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

The science of water

In “The science of water”, scientist Dani Jiménez challenges you to try a series of easy experiments designed for a fun family activity session, exploring the properties of water and the scientific method.

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

BOOKINGS INFORMATION

➔ Please check availability in advance and make a booking (93 342 35 38).
➔ Please Inform us in advance if any of your children have special necessites, we will work in order to offer you and adapted activity.
➔ Inform 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.

Museu de les Aigües