

# WATER DAY 2019 & EARTH DAY 2020

*Newsletter October 2019*

## MOBILITY #4



From September 24 to September 28 2019, Lycée Touchard hosted 19 students and 11 teachers from Italy, Romania, France and Spain taking part in "Water Day 2019 & Earth Day 2020" project. This week has to make the link "Between Water & Earth"

## LE MANS, FRANCE

*Liceul de Arta "Gheorghe Tattarescu"  
Focsani (Romania)*



*Pomorska skola  
Split (Croatia)*



*Istituto Tecnico. "Carlo Alberto Dalla Chiesa"  
Partinico (Italy)*



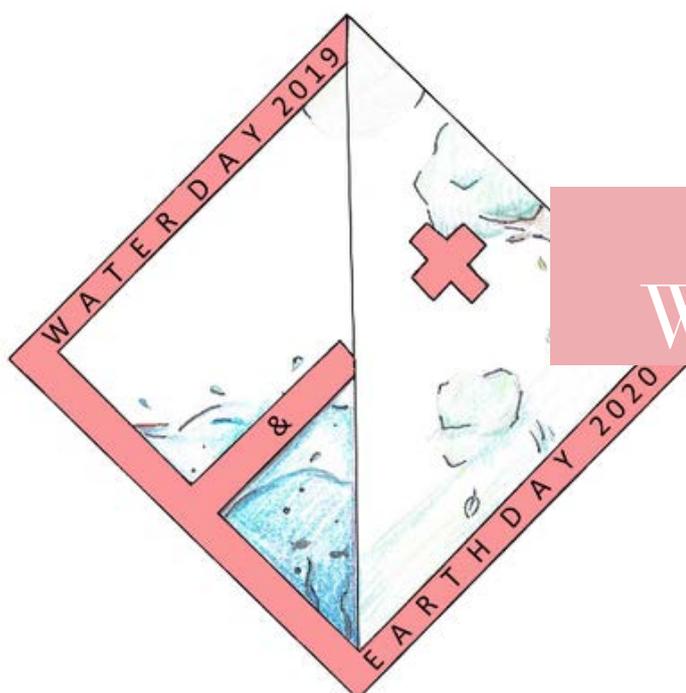
*Lycée Evariste Galois  
Sartrouville (France)*



*IESO Matias Ramon Martinez  
Burguillos del Cerro (Spain)*



*Our partners for this project are :*



## BETWEEN WATER & EARTH

### *Summary*

- *Activities to create a group spirit*
- *Show "Myths and legends between water & earth".*
- *Science experiments with honey of each country*
- *Visit of Nantes : think about sustainable rehabilitation of a territory*
- *Exhibition about Amazonia*
- *"Entre cours et jardin" : photo contest*



# CREATE A GROUP SPIRIT



Tuesday morning, we welcomed all the participants in the project with a French breakfast. Then each team presented their city and high school.

We made a treasure hunt in the old town of Le Mans. We visited the cathedral St Julien wich is in gothic and roman style (its building began in 1060). After that we went to the remains of the gallo-roman baths (photo). They were built in 50 after JC.



Located in the heart of "L'Arche de la Nature", classified wooded site of 450 hectares, the pleasures park Tépacap welcomes us wednesday to go through the trees and to be in contact with nature. It was a great experience to do it together!



# SCIENCE EXPERIMENTS

## Which honey is the best



2/ Dertermine the free acid content : the study of the acidity allows to identify its botanical origin. An extreme pH, outside standards, indicates biochemical degradation due to poor harvesting practices or storage conditions. Several acids are found in a honey. The most important is the gluconic acid.

The free acid content is given in milliequivalents per kg. It corresponds to the amount of hydroxide ions in millimole that should be introduced to titrate 1kg of honey. European regulations set out the free acid content of honey. The maximum limit of honey is 40meq.kg-1

We tested honeys from each country to :

1/ Make a relation between the pH and the nature of the honey :

Nectar's honey :  $3.5 < \text{pH} < 4.5$

Noneydew : 4.5-5.5

Chestnut's honey :  $\text{pH} > 5.5$



# VISIT OF "L'ÎLE DE NANTES"

*think about sustainable rehabilitation of a territory*

Ile de Nantes is located on an island of the Loire surrounded by the arm of Madeleine to the north and that of Pirmil to the south. Old archipelago formed by the division of the river and crossed by boires, this territory testifies to the great stages of the urban history of Nantes.

In 1987, Bougainville, the latest shipyard on the island of Nantes, leaves its launch pad. Ultimate production of this iconic industrial site, it leaves behind a social trauma and many wasteland west of the island. The renaissance of this territory then finds its origin in the project of the team led by the former mayor of Nantes Jean-Marc Ayrault, in the 1990s: the industrial and port heritage becomes a springboard for cultural and creative initiatives.

Past the time of maturation and experimentation, this practice of transient urbanism becomes in the 2000s a real strategy of reconquest of the island of Nantes. It is embodied through the actions of Samoa, a local public company created in 2003 to develop the island of Nantes. Culture and local initiatives thus become the levers of this renewal.

*Since its start in the year 2000, the urban project of the island of Nantes is guided by major political objectives: build a metropolitan centrality, reconnect with the Loire, make the city accessible to all.*

To nourish this work, the urban project was built from a permanent dialogue with all the actors (institutions, professionals, citizens ...) and by implementing experiments.

In order to better adapt to the needs and expectations of users and inhabitants. This virtuous approach gave meaning to the project, formalized today by the Manifesto for a Sustainable Island .

Developed in collusion with citizens, urban planners, institutional and economic actors, this tool identifies four guidelines:

- The island of the commons;
- The island of complicit mobilities;
- The island of well-being;
- The resilient island.

This basic document reaffirms the founding principles of the urban project of the island of Nantes, paying particular attention to the development of new uses. The ambition is therefore to build a city where life is good, work and walk, reinterpreting the traditional urban model: new forms of housing, pooling of spaces and services, new ways of working, public facilities adapted to sports practices ... The city evolves with its inhabitants.



# ATLANBOIS

*promote the wood industry in the region*

## Wood to build and renovate

### LIGHTNESS - FLEXIBILITY

A wood structure weighs on average **5 times less** than an equivalent structure in masonry



### ARCHITECTURAL ADAPTABILITY

Wood offers all the possibilities of a modern material



### PERFORMANCES



PHONIC



ENERGETIC



THERMAL



ENVIRONMENTAL

### NATURAL RESOURCES

wood grows, renews itself and is a source of oxygen thanks to: forests, urban woods and groves

**15% OF GREENHOUSE GASES ARE SEQUESTERED BY THE FOREST IN PAYS DE LA LOIRE**

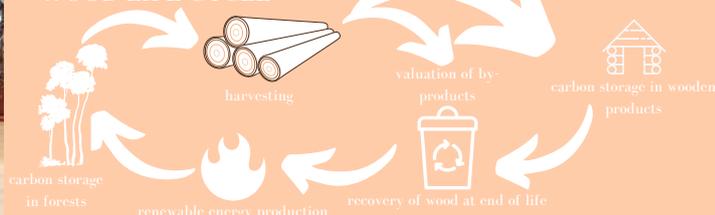
### CERTIFIED WOOD

to buy certified wood is to contribute to the sustainable management of the resource



## Wood for heating

### WOOD LIFE CYCLE



# AMAZONIA EXHIBITION

The Musée d'ethnographie de Genève houses one of Europe's largest collections of Amazonian objects. They are showcasing them in this exhibition, which presents a large share of their collection, including many never-before-seen objects.

Jewellery, weapons, musical instruments and everyday use objects are just so many illustrations of the most refined arts of some fifteen populations, including the Wayana, Yanomami, Kayapó and Shuar. These material manifestations of Amazonian culture are an expression of a certain symbiosis with the spirit and forest world, which allows us to explore the practice of shamanism, common to all populations in the Amazon Basin.

As an introduction, one section is devoted to the Amazon's pre-Colombian history, ranging from its origins to the conquest, as well as to the history of the collections echoing it, right up to the present day. Testimonies by the Amazon's inhabitants ultimately allow us to broach the issue of preserving the forest from extinction.

**AMAZONIE**  
Le chamane & la pensée de la forêt  
15.06.19 > 19.01.20

www.chateaunantes.fr  
#expoChateau #amazonie

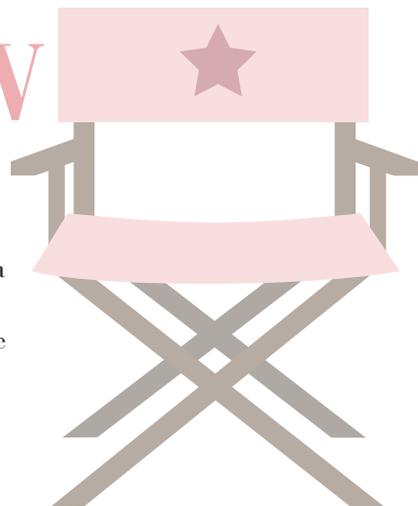
Logos: AIR FRANCE, MUSEE D'ETHNOGRAPHIE DE GENÈVE, LA CROIX, connaissance des arts, MEG, etc.



# CREATE A SHOW

*Myths and legends between water & earth*

The theme of the week was the creation, under the leadership of Margot Charon, of a theatrical show with the theme: myths and legends between Earth and Water. This common adventure brought us together, with the final highlight being the performance in front of students from Jean Macé School. A lot of emotions!



# PHOTO CONTEST

*"Entre cours et jardins"*

A last day filled with emotion and last sharing with the correspondents, with a photo contest realized in the old city.

## *The most enigmatic photos*



## *The funniest photos*



## *The most poetic photos*



THANKS

- Adam Alexandre Alice Amélie Andrea Andrea-Simona Antonia Aurélie Brandusa  
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