

**ACTIVITIES DONE DURING THE C1 MOBILITY TO CATALONIA (SPAIN)-
28TH MARCH- 31ST MARCH**



**Co-funded by
the European Union**



28th MARCH	MONDAY: WELCOME DAY  EVIDENCE
9:15 – 9:45 h.	Welcome speech done by: - Mayor of l'Ametlla in the school - School's headmaster and coordinator of the Erasmus +. - Maria Mont from CRP. - Short presentation of every country (coordinator) Cultural presentations carried out by the different countries. CULTURAL PRESENTATIONS
10:00- 11,00h	Get to know each other ice-breakers ICE BREAKERS
11:00 - 11:30	Breakfast time
11:30 - 12:30	School visit done by our 6th grade students.
12,30 a 13:30h	Math workshop for teachers. EVIDENCE
13:- 15:00	Lunch time
15:00 - 16:30	ACTIVITY CARRIED OUT IN THE TOWN LIBRARY: - Patricia McGill, storyteller. Activity: “Tales on the pot”. SOS, Speak Out Stories is a cultural activity with English language, orality, and interculturality as its fundamental pillars. It is about oral storytelling in English for Primary, Secondary and Baccalaureate students. Each cycle has its own session appropriate for the corresponding ages, and depending on the course, there is a different trio of stories.

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	https://www.patriciamcgill.com/espectacles-escoles-instituts-i-biblioteques/ EVIDENCE
17:00 h.	“Gitanes” and “Diablots” (Traditional dances) of our town at Bertí school. Presentation, exhibition, dance workshop and snack time. EVIDENCE

29th MARCH	TUESDAY: ACTIVITIES FROM THE MATH MUSEUM OF BARCELONA.
9:15 - 10:30	WORKSHOPS CARRIED OUT BY THE MATHS MUSEUM OF BARCELONA + MATHS CLASS TO SEE HOW WE WORK MATH IN OUR SCHOOL. - Doing magic with Maths: EVIDENCE Magic awakens curiosity and curiosity is the most direct way to internal learning motivation. Therefore, in this workshop we will see how to apply magic as a didactic resource to learn mathematical concepts. We will present a couple of magic games and then we will see how they are explained and related to mathematics. Then the students, working in groups of 2 or 3, will be able to learn the magic effect, understand it and adapt it to make their own effect. They will learn mathematical concepts from some magic games (arithmetic, algebra, problem solving, geometry...). It greatly enhances the contextualization of mathematics, non-verbal language and creativity. - Portable exhibition of the Maths Museum of Barcelona: EVIDENCE We bring material to your center in portable format for students to manipulate and interact with the modules. Most of the material they will handle is the same as in the museum, but in a lighter format. The material is part of the mathematical suitcases of the MMACA. The educators will present the material and accompany the students in their discovery, they will be able to clarify and resolve doubts.

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The explanations and materials will be adapted to the level/course of each group.
At the end, there will be a collective review of what has been worked on.

- **Leonard domes:** [EVIDENCE](#)

The workshop consists of the collective construction of one or more domes with a diameter of about 4 m and a height of approximately one meter.

It starts with a short explanation about the activity and how to place the sticks.

The construction begins step by step with the participation of everyone, in a matter of 10 minutes it is already visible how it is growing and rising.

Once built, the little ones can go inside. The whole can also be raised if there are enough participants to hold all the sticks around the perimeter. It is a peak moment of coordinated work that allows you to see the plot of sticks from below.

Because the sticks support each other, if one fails, everything falls in a chain.

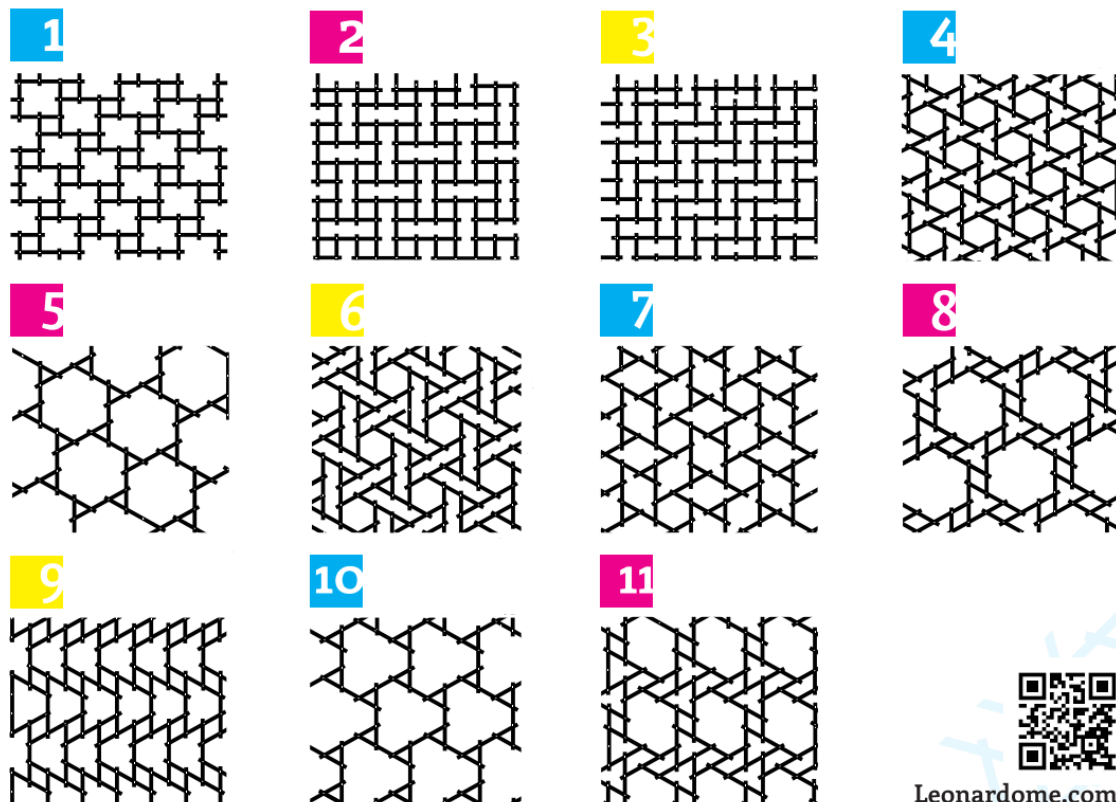
Although it depends on the time available and the group, usually in a one-hour workshop, there is time to make a second dome.

The LEONARDOME project is a collaboration between MILANTA.NET, IURIS.DOC and the MMACA with the aim of disseminating and commercializing this material.

On the LEONARDOME.COM website you can:

- purchase the box with 250 pieces
- the box with 50 pieces
- hire a workshop
- apply for temporary rental

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<https://www.leonardome.com/guia-didactica/>

MATERIALS USED TO SHOW HOW IS A MATH CLASS IN OUR SCHOOL:

- Mathematical enigmas solved in cooperative groups, by writing the math operations on a big paper that covers all the table like if it was a tablecloth. [EVIDENCE](#)
[MATHEMATICAL ENIGMAS](#)
- Solving problems based on real situations. In this way, we are going to be able to show different ways of doing the maths operations. In our case, we write them horizontally and solve them by decomposing the numbers.
[PROBLEM SOLVING ACTIVITY](#)

10:30 - 11:00	Breakfast time
11:00 - 11:45	Continue workshops carried out by the maths museum of Barcelona.
11:45 - 12:30	
12,30 a 14h	Math workshops for teachers.

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15:00 -16:30	Cooperative groups to share and reflect on the math workshops done in the morning. GROUP EVALUATION- MATHS WORKSHOPS
From 17h.	Visit to “Castellers” (Human Towers) from Granollers.

30th MARCH	WEDNESDAY: EXCURSION TO BARCELONA: MINIATURE CATALONIA https://www.catalunyaenminiatura.com/ca/detalle-de-maquetas/#maquetisme
9-16:30 h.	- Guided visit to the models exhibition (1 hour). - Adventure park (1 h and 30 min.)- CANCELED DUE TO THE RAIN. - Travel on the little train. https://www.catalunyaenminiatura.com/wp-content/uploads/2023/05/OFERTA_ESCOLAR_2022_2023.pdf (Educational program offered to schools) EVIDENCE
	17- 18 h: Modernist route in l'Ametlla del Vallès, our town, with a guide (CANCELED)

31st MARCH	THURSDAY: EXCURSION TO BARCELONA: PARK GÜELL https://parkguell.barcelona/ca/park-historic/origen-creacio
9-15:00 h.	Gaudí experience (educational program offered to schools- https://www.gaudiexperiencia.com/wp-content/uploads/2022/10/Proposta-educativa-22-23-ESP_compressed.pdf) 11:30: Park Güell. Guided visit 15:00 Arrival at Bertí school.
15:30 a 16:30	Farewell party - Speech done by the school's headmaster. - Speech done by our 6th grade students.

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	- Hot chocolate with “melindros” (a typical Catalan Biscuit). EVIDENCE
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**This project “Become European math champions” has been funded
with support from the European Commission.**

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Commission cannot be held responsible for any use which may be
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