

## ACTIVITIES IN DABADUM

Solar Decathlon Europe (SDE, [www.sdeurope.org](http://www.sdeurope.org)) and the Colegio Oficial de Arquitectos de Madrid (COAM, <http://www.coam.org/>), with the collaboration of the 10Action European Project of Intelligent Energy Programme ([www.10action.com](http://www.10action.com)), will organize practical, educational and fun activities in Dabadum (pavilion 3, Ifema), the children's entertainment lounge, which will take place from the 6<sup>th</sup> to the 11<sup>th</sup> of December. The aim of this initiative is to arouse children's interest in efficient architecture and sustainable cities.

### WORKSHOPS: CITY CONSTRUCTION

For children between **4 and 10 years old**

Duration: **1 hour**

Schedule: **11:30 and 13:00 (maximum 30 children per session)**

These workshops deal with the topic of the city, the urban environment as an architectural concept. The children will construct buildings and public equipment; they will design the road network, without forgetting the cycle way, or the pedestrian network and green areas. Each child will construct their building out of cardboard, and all the participants will make a model of the city, adding not only their buildings, but also the elements that make up the city.

They will inhabit the new city, travelling the spaces and places created and analyzing its advantages or deficiencies in relation to the place we live on. They will have to imagine how life is, they will think and build the places for local shopping, for playing, sports and education. They will construct a city that will fulfill all the participants' desires and interests.

Organizer: [www.chiquitectos.es](http://www.chiquitectos.es)

### WORKSHOPS: SUSTAINABILITY

For children between **6 and 12 years old.**

Duration: **30 minutes**

Schedule: **15:15, 16:15 y 18:30 (maximum 30 children per session)**

Colaboradores:

In this workshop, the participants will learn the concepts of *Energy* and the principle of energy transformation; they will experiment with renewable energy circuits, as the case of solar energy. They will test the importance of energy efficiency and discover the use of unconventional fuel such as hydrogen.

In addition, this workshop aims to highlight the importance of scientific investigation in the protection of environment and contraction of sustainable housing. The content of the workshop will follow an interactive and scientific methodology.

The development of activity is based on the 10Action Activity Book so that the children learn about removable energy while playing (Download it at <http://10action-children.sdeurope.org>).

Some of the experiments:

- What `s the most famous sentence in science): introducing the concept and transformation energy?
- Sustainable circuits: Explanation about the different between renewable and non renewable energy. Construction of renewable circuits.
- Efficiency at home: how to improve energy efficiency at home
- Efficiency thermometer.
- H2 Combustion: explain another type of energy.

Organizer: <http://www.madscience.org/>

### **CHILDREN'S DEBATE**

Age: between 6 and 12 years old.

Schedule: 1 hour

The children will be the protagonists of the debates lead by prestigious architect on the future of Architecture to awaken their sense of criticism toward build environment that around us and the city that awakes us in the future.

### **Programe:**

6th of December: Rubén Picado y M<sup>a</sup> José de Blas (Picado-de Blas Arquitectos ). Topic : “A pequeña Escala”

7th of December: M<sup>a</sup> Jesús Sánchez y Luis Casillas (Loc Arquitectos). Topic: “Arquitectura de cuento”

8th of December: Diego Carreño (arquitecto). Topic: “¡¡¡mamá, papá, mi cerebro es un mago!!!”.

Colaboradores:



9th of December: Elisa Fernández Ramos y Ana Cabellos (arquitectas) Estudio La Travesía de Conde Duque + Pilar Perea (Artista) – Topic: "Yo también soy arquitecto. ¿Mi primer diseño? El escondite".

10th of December: Isabela Wiczorek y Eleonora Guidotti (arquitectas). Topic: "Especies Domésticas".

11 of December: Juan Manuel Herranz y Marta Parra (Virai Arquitectos). Topic: "El cole de tus sueños".

Organizer: <http://www.coam.org/>

### WORKSHOP OF CONSTRUCTION

For children since ten years old.

Without schedule

At "Zona Lego", parents and children will have the challenge to reproduce masterpieces of architecture with the popular Lego bricks: the Solomon R. Guggenheim Museum® of Nueva York and the Fallingwater®, both by the prestigious architect, Frank Lloyd Wright; the *Space Needle* de Seattle, the White House de Washington D.C., el Empire State, the well-known construction of Mies van der Rohe- *La Casa Farnsworth*- or the world's tallest skyscraper, *Burj Kalifa* de Dubai.

Organizer: <http://www.lego.com/es-es/>

### OTHER ACTIVITIES

Other activities, like virtual games or drawing, will be developed at this stand.

Organizer: <http://10action-children.sdeurope.org> (you can participate in these activities through the web)

Further information

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Colaboradores:

