

# BOATS4SCHOOLS FINAL

## Final is framed in the European project "Boats4schools"

### 1. Introduction

The "Boats4schools" Final will take place on June 10 at the Aquapark of Cerceda in the province of A Coruña (Galicia, Spain), the venue is provided by the Council of Cerceda.

The students, organized in teams, have to build a small boat (miniature) following a defined set of rules. During the Boats4schools's challenge students will get in contact with several technologies like 3D design (Tinkercad, Blender), Additive Manufacturing, Cloud Manufacturing, Computer Aided Engineering (CAE) tools, Computer Aided Design (CAD) tools, High performance computing (HPC), Math, Physics, Innovative thinking, creativity and so many other skills.

### 2. Objectives

- \* Raise awareness of youngsters about future careers paths in STEM and promote an enthusiasm for this career options
- \* Offer young students the opportunity to have contact with STEM practical contents and skills in a ludic and educational approach.
- \* Influence career teachers and advisors to guide young students to STEM careers by highlighting the opportunities available in the labor market.
- \* Address the problem of low rates in classes such as Mathematics, Engineering and other fields of applied science through more innovative teaching methods.

### 3. Dates and venue

The "Boats4schools" Final will take place on May 31 2019, the activities will take place at the Aquapark of Cerceda, province of (A Coruña, Galicia, Spain)

### 4. Sections

Teams of 5 Galician, Spanish or European students of 12 -18 old will design a boat . The design of the boat, the execution process, the speed of the race and the exhibition made by the team to introduce the project to the jury (in English) will be evaluated.

#### Categories

- \* Boats powered by wind or solar panels
- \* Boats that use advanced robotic techniques (such as putting a micro-arduino and trying to develop basic navigation controls with a remote control or any other format)

#### Sections

**Section 1** Students of 6th, 1º and 2º of ESO.

**Section 2** Students of 3rd and 4th.

**Section 3** high school and vocational students

### 5. Presentation of projects

The registration in the Final "Boats4schools" will be done online in the following address

<http://www.edu.xunta.gal/centros/cpicruce/node/223>

where you will find the information and data necessary for registration. For any questions, participants can contact [cpi.cruce@edu.xunta.es](mailto:cpi.cruce@edu.xunta.es)

The registration period will open on February 1st and end on March 30th.

### 6 Jury and awards

The jury of the Final "Boats4schools" will be made up of STEM teachers, language teachers, communicators, etc.

#### Prizes

**Section 1** Diploma and € 200

**Section 2** Diploma and € 200

**Section 3** Diploma and € 300

### 7. Acceptance of the Bases

The participation implies the total acceptance of the bases. The organizer of "Boats4schools" Final reserves the right to postpone, suspend or modify the event