



TECHNICAL HIGH SCHOOL



25 YEARS ENCOURAGING EVERY PERSON
TO BECOME THE PROTAGONIST OF THEIR LIVES

Since 1997, Los Pinos Foundation works in Casavalle, One of the most vulnerable areas of Montevideo, we have brought quality education and sports programs to support children and youths from the area, by developing their skills and talents, so they can achieve a better future based solely on their potential.

In 2016, Los Pinos inaugurated the Technical High School, authorized by the Technical-Professional Education Council (UTU), inspired by the Finnish model and incorporating the Project-based learning (PBL) methodology.

The Los Pinos Technical High School was the first formal education project to institute such a model. In 2017, this project was nominated for a National Innovation Prize, and continues to be a pedagogical beacon for other institutions that seek to innovate and motivate their students.

In 2019, we added the first year of Higher Secondary Education centered around IT education. Annually, 115 students take part in this program, centered around Programming, 3D modeling, Robotics, and Space Technology.

In Casavalle, Montevideo, only **3% of the population finishes the obligatory stages of secondary education.** In this context, innovative practices are essential for motivating and retaining students.

A method that puts the focus on the student

The educational process is centered around the interests of the student and with an infrastructure design that accompanies the innovative process and allows for the development of STEAM (Science, Technology,

Engineering, Arts and Mathematics) projects. During their education, students may participate in various STEAM and Social Sciences projects, where students and teachers work together toward a common goal.

We want students to develop skills that prepare them for an ever-changing and innovative world, as well as a sense of responsibility and community:



An Innovation-Centered Approach To Education

Fostering an innovative student profile has challenged us to do so from the educational approach itself, making it necessary to find new ways of bringing the world closer to them, to generate skills to understand it, and to be protagonists of their own lives.

We have established five objectives for that end:

1. Proposing an innovative educational path to students, centered around their interests and with the potential to experiment a variety of areas of knowledge.
2. Bring students closer to the central aspects related to meteorology, 3d modeling and design, programming, and Arduino development.
3. Linking students to the challenges of the software industry and aerospace technology.
4. Stimulating the development of computational thinking in students by incorporating fast-paced methodologies to their educational development.
5. Instilling the values of solidarity and global citizenship into students through projects associated to the improvement of the living conditions of humankind.

PROJECTS CONDUCTED IN THE PAST YEARS		
Grade	Area	Name of the project
7Th grade	STEAM	Solar car
7Th and 8th grade	Social Sciences	Digital magazine
8Th grade	STEAM	Hydraulic arm
9Th grade	STEAM	Tropo Explorer
9Th grade	Social Sciences	Casavalle Participativo
1St year of Upper Secondary Education	STEAM	CubeSat-CanSat
1St year of Upper Secondary Education	Social Sciences	Volunteer work

THE PROPER INFRASTRUCTURE

Designed by architect Carlos Ott. In 2022, we inaugurated the Technical High School building, with a surface area of 2000m², adapted to our educational model. This building has become A symbol of the area, furthering the impact of our mission: that all children and youths May develop their skills and achieve a future based solely on their potential and not their circumstances.