



An annual STEAM Course

*"Imagination is more
important than knowledge."*

Albert Einstein



I NEUTRINOS

Vision

- **I love neutrinos (ILN)**, is an educative program designed to develop STEAM (Science, technology, engineering, arts and mathematics) projects.
- The program uses cutting edge technologies to teach contents.
- **World needs global people with better human values, creativity, innovation and deep thinking.**

ILN Key Values

- Team work
- Respect
- Taste for excellence
- Collaboration
- Self esteem
- Science, technology, engineering, art and math are **funny**

The course ILN001

- The course is divided in 2 semesters. Every semester begins with a brainstorm process to determinate the topics to develop in a theoretical and practical way.
- Every class has a theoretical section to explain topics related with the projects. After the theory, students continues with their projects in a autonomy way. **The teacher guides the student to avoid problems and teach concepts. We put the focus in the team work and the organization based on roles.**
- **The course has a limited number of students to maintain the quality level.**

The first semester

- The first semester has been divided in 2 parts:
 - STEAM Course
 - FLL contest

STEAM Course

- In the STEAM part, classes has 2 parts:
 - A theoretical section where students learn about several subjects as Science, Technology, Engineering, Arts & Mathematics
 - A practical section where students design and develop a project.

FLL Contest

- The FIRST® LEGO® League Global Innovation is designed to encourage and assist FLL teams to further develop their innovative solutions to real-world problems
- [http://www.firstlegoleague.org/challenge/
thechallenge](http://www.firstlegoleague.org/challenge/thechallenge)

The axis of FLL



The second semester

- The second semester has been divided in 3 parts:
 - STEAM Course
 - Moonbots contest or Google Science Fair
 - STEAM Course



LEGO[®] MINDSTORMS[®] ROBOTBOTS

A Google Lunar X PRIZE LEGO[®] MINDSTORMS Challenge





THIS WAY
TO THE
SCIENCE
FAIR
FAIR



About the professor

- Industrial Engineering, Technical computer engineering(ICAi, Comillas University), CAP (Alcala University)
- Lego MCP (Lego Community Partner)
- Author of 2 books about Java programming for Lego Mindstorms NXT. (English & Korean)
- More than 5 years of experience.





Fun and flying cows

I ❤️
NEUTRINOS