



Robot farming

Forth ILN module

<http://iloveneutrinos.com/>

Project planning

- Educational goals
- Technologies
- Kits required
- Classroom
- Schedule
- References



Educational Goals

- Introduction to Pneumatics
- Introduction to Farming
- Learn to combine technology with nature
- Learn to use Timers and NTP Servers

Kits required

- To develop this project, the student will require the following elements:
- 1x Lego pneumatic tubing
- 1x Lego pneumatic pump
- 1x Homemade water bottle pump



The classroom

- The students will be organized in groups of 3 students to maximize the student performance
- Group 1: Rodrigo, Daniel & Diego
- Group 2: Joaquin, Max & Iria
- Group 3: Alonso & Roberto

Schedule



- April
 - Introduction to the project
 - Introduction to Pneumatics
 - Introduction to Farming
 - Building a Water Pump

Schedule



- May
 - Developing a program to manage a Water pump
 - Learning to use Timers (How many second have a day?)
 - How to improve the system?
 - Calculating the energy used in the experiment

Schedule



- June
 - Introduction to Java

References

- Lego Windstorms water pump

<https://www.youtube.com/watch?v=XbQChluxAJ4>

<https://www.youtube.com/watch?v=q5c4sG6SBS0>

<https://www.youtube.com/watch?v=0InS3jmIhYM>

https://www.youtube.com/watch?v=Ldm7o0_p6gA



Fun and flying cows

I ❤️
NEUTRINOS