



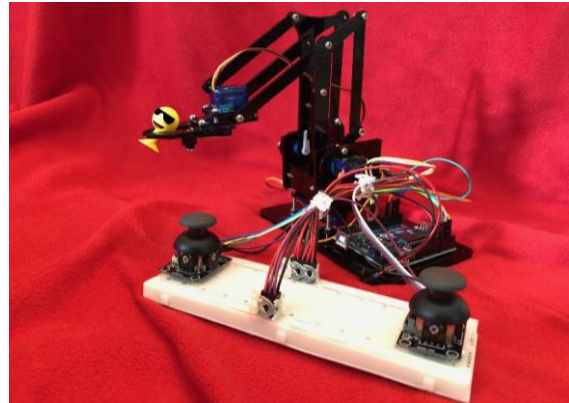
ROBOTICS 2021-2022

This workshop will enable you to build a complete robotic arm, and programme it thanks to its Arduino Uno.

Description

How would you like to build an extra arm to help you in your everyday life?
Then to become an expert in using it?

In that case come along, assemble it and then learn how to programme it to be able to control it with a couple of Playstation type joysticks.



Planned Activities

- Assembly of a robotic arm.
- Discovery and calibration of servomotors.
- Connection of servomotors and programmable joysticks.
- How a chip card works.
- What is IDE Arduino ?
- Introduction in programming using Arduino.

Organisation

The robotics workshop is facilitated by experienced teachers. It takes place every Monday 4pm-5pm or Wednesdays 1:05pm-1:55pm. The workshop will be presented to students the first Monday of the school year.

The class

The students work in small homogeneous groups with one assembly kit per student. In the spirit of collaborative teaching we accord great importance to both students' ages and abilities.

Fees

Participation fees of CHF 330.- per term include the robotic arm assembly kit which students can take home at the end of the year.