

## 3D Printing Rules

We are allowing you to 3D custom parts for your robots during the Hackathon. Please try and keep your prints under 2 hours to allow other teams to make use of the printers, it is best to keep them small or simple shapes. Timeslots for the printers will come on a first-come first serve basis.

The Printers Available for use during the hackathon are:

- 3 x Ultimakers bed size 22cm by 22cm
- 1 x AnyCubic i3 mega bed size 20cm by 20cm
- 1 x Ender 5 pro 22 cm by 22 cm
- 1x Sidewinder X1 30 cm by 30 cm

All nozzle sizes will be 0.8 mm with one Ultimaker having 0.4 mm, please make sure you do not have parts of your model thinner than 0.8mm as these will not get printed.

We will be printing in exclusively PLA and PETG.

The CAD Workshop at 2 pm will explain more about making parts for your robots and models for 3D printing and teach about common mistakes to avoid, such as overhangs.

## Submitting a request

Bring your model to the desk in an STL format, either on your computer or a USB stick. The supervisor manning the desk will then review your model and either approve it or give you feedback on it. They will then take your number and will notify you when your print is completed.