# Modeling and Printing a Keyring

**SLQ Wiki Fabrication Lab 2025/12/03 20:46** 

# **Modeling and Printing a Keyring**

# **Specific Objectives/Learning Goals:**

The intention of the 3D induction is to enable participants to become familiar with the practical use and basic theory behind the use of the UP 3d printer.

## **Learning Outcome:**

- Create 3d model in Tinkercad.
- Become confident with terminology around the machine
- Become familiar with the safety procedures in the workshop and with the use of the machine.
- Successfully print the 3D model.

### **Prior Learning:**

No prior learning required .Experience with the use of tinkercad or other 3d modeling software is advantageous

### Resources/Materials required

□ Secure a HOT WORK PERMIT
□ 10 pens
□ 10 laptops
$\square$ 10 USB sticks with files for lesson
☐ 4 working UP 3d printers
□ TV + facilitators laptop
$\square$ 10 print outs of of the 3d printing induction paperwork
□ Sample prints.
$\hfill\square$ Extra printed copies of the power-point for inductees to seek answers for their paperwork.
$\square$ Kit to repair the 3d printers
☐ Spare spools of UP! ABS filament