

# Modeling and Printing a Keyring

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## 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
- 10 USB sticks with files for lesson
- 4 working UP 3d printers
- TV + facilitators laptop
- 10 print outs of of the 3d printing induction paperwork
- Sample prints.
- Extra printed copies of the power-point for inductees to seek answers for their paperwork.
- Kit to repair the 3d printers
- Spare spools of UP! ABS filament