



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