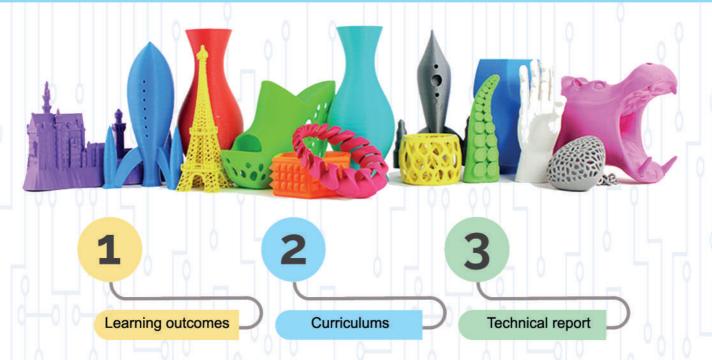


3D print training modules for electric-electronic teachers in vocational high schools

Intellectual Output 1: ECVET based knowledge and skills progression framework



Introduction to 3D printing

Overview of the technology Materials used in 3D printing Components of 3D printers Safety issues in 3D printing 3D printing application fields Modelling & printing software 3D printing file formats

Developing modelling skills

Orthographic projection 2D and 3D dimension Sketch 2D Boss/Base Cut Sketch 3D Assembly

3D printing process

Installation and calibration
Preparations of the machine
Adjustment of printing parameters
Post processing
Quality control of 3D printed part

Optimization

Optimization in the design Optimization and quality Design recommendations Pre processing parameters Infill design Cost optimization

Creation a model to 3D print

3D Representation of a single design component Assembly: A 3D arrangement of parts and other assemblies Drawing: A 2D engineering, typically or a part or assembly

3D printing for electric-electronic

- 3D print of electric components
- 3D print of electric projects
- 3D print of spare parts
- 3D print of electronic projects

for more information and online traning course please visit project website www.3dp-for-vet.eu



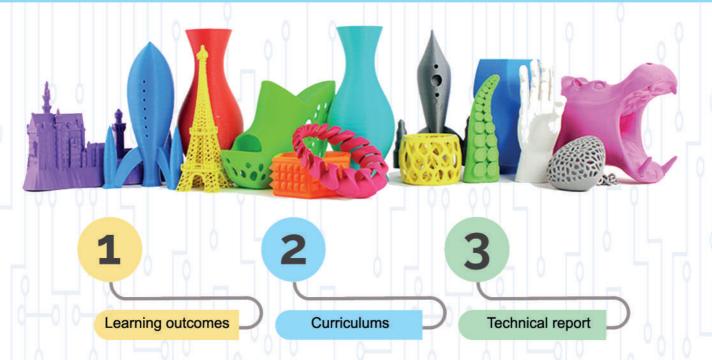






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