

PHOTONICS WORKSHOP  
3D Lenticular

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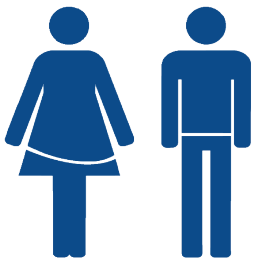
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## PROPERTIES OF THIS WORKSHOP



### SUMMARY:

The concept of this workshop is to make a 3D portrait using a lenticular paper in a frame. Lenticular printing is a technology in which lenticular lenses (a technology that is also used for 3D displays) are used to produce printed images with an illusion of depth, or the ability to change or move as the image is viewed from different angles



### TARGET AUDIENCE:

Young students (10-14 years old)



### SUGGESTED TIME PLANNING: (Total: 1h)

Timing in minutes	activity
0-10	Introduction
10-25	Making pictures
25-40	Digital processing per picture set of three
40-50	Assembling the case



### TOOLS:

3D printer  
Milling machine (not necessary)  
Soldering iron



### WEBLINK:

All needed files for lasercutting and Wemos can be found on:  
<http://www.phablabs.eu/workshop/picture-lenticular-paper>  
or via the QR code.



# PHABLABS 4.0

## Step 2: Parts list

**PHABLABS 4.0** is a European project where **two major trends** are combined into one powerful and ambitious innovation pathway for digitization of European industry:

On the one hand the growing awareness of **photonics** as an important innovation driver and a **key enabling technology** towards a better society, and on the other hand the **exploding network of vibrant Fab Labs** where next-generation **practical skills-based learning** using KETs is core but where photonics is currently lacking.

[www.PHABLABS.eu](http://www.PHABLABS.eu)

This workshop was set up by the *Institute of Photonics Sciences, ICFO* in close collaboration with *Fablab Barcelona and Tinkerers Lab*.



PHOTONICS PUBLIC PRIVATE PARTNERSHIP

