

FAB IN A BOX

DT313 - PP2 - AT

Report on Report on Fab in a Box Workshop

Version 1

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Engagement tool: FabBox

Location: Vienna

1. Short overview

We developed 3 Fab Boxes with different equipment:

1. Fab Box for 3D printing
 - Makerbot 3D printer
2. Fab Box for electronics
 - Soldering equipment
3. Fab Box for vinyl cutting
 - Vinyl cutter (Silhouette Cameo) and thermal transfer press

In addition to the boxes we prepared workshop materials (powerpoint). For each box we provide a specific workshop

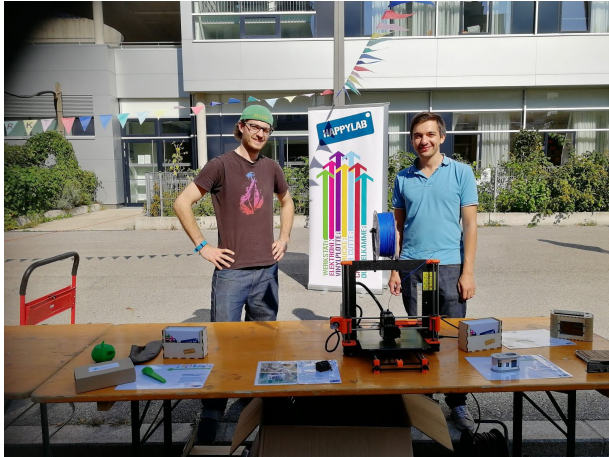
1. 3D printing: design and print your dream house
2. Vinyl cutter. Design your T-Shirt
3. Electronics: Drawdio

See detailed descriptions about each

To get reach as many people as possible with our workshop we created a “Train the Trainer” workshop for teachers, youth workers and other interested people. After the completion of the workshop, these trainers can hold the workshop in their school or community themselves.

Furthermore we made public appearances at two public events in Vienna where we used our mobile equipment to attract a broad audience:

1. “Forschungsfest” - a big science festival in Vienna (14.09 - 16.09.2018)
2. “Flauschmarkt” - a festival in the neighbourhood of HappyLab (21.09.2018)



3D printing at Flauschmarkt in Vienna



Workshop with self-made lab equipment at “Forschungsfest” Vienna

3. Outcomes

We used our mobile lab equipment (Fab Box) for “standardized” workshops as well as engaging outreach activities. Both aim to attract new people to the Fab Lab. By going directly to the target group we can reach a broader audience who get a first idea about the possibilities of digital fabrication and digital design.

4. Sustainability and Transferability

We will offer various Fab Box workshops in the future, either at Happylab or mobile in various locations. The workshops can be booked with a trainer (from Happylab), then no further requirements are needed. If someone from the organisation with enough practise has completed the train the trainer course, he or she can also hold the workshop without further assistance.

The costs for the rental of the equipment and the trainer will be paid by the organisation. We will try to start corporations with different funding organisations to keep the costs for the students as low as possible.

5. Benefits

Short Fab Box workshops are a great way to engage new people to digital design and digital fabrication and get them interested to come to the Fab Lab and start making something themselves.