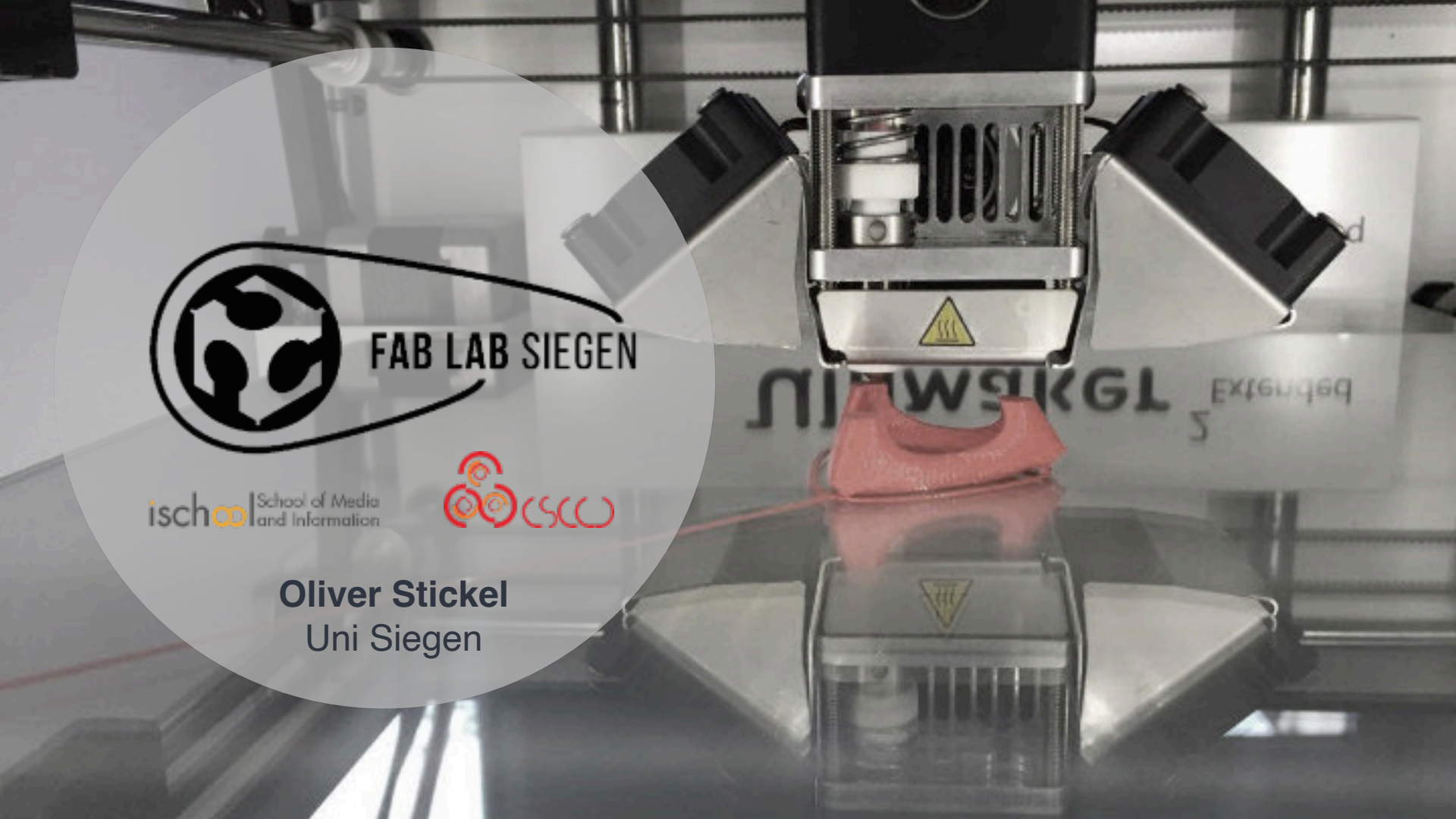
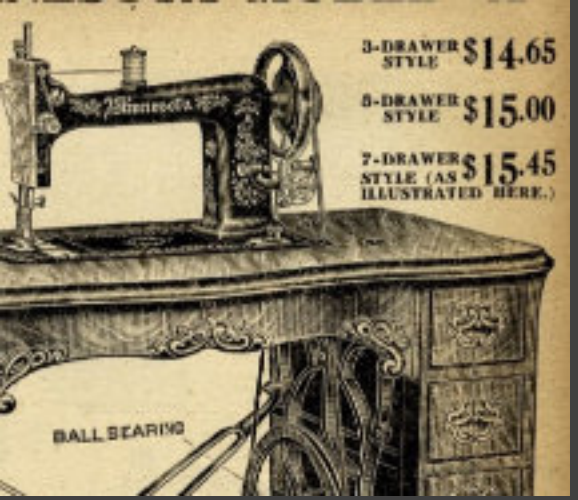
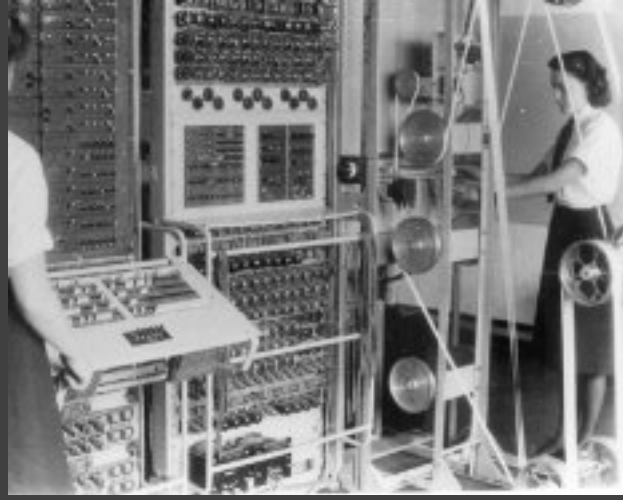


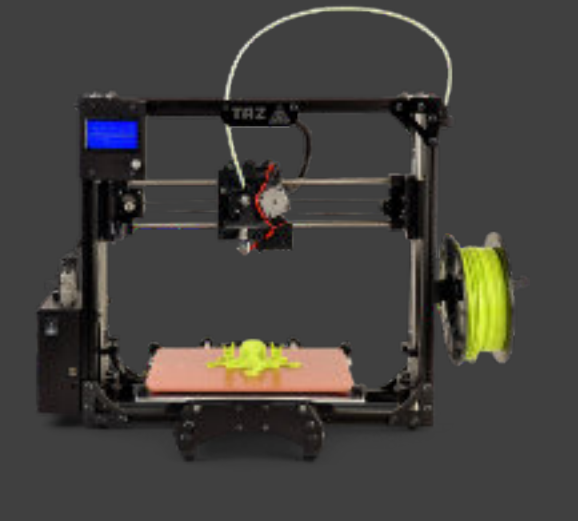
FAB LAB SIEGEN

ischool School of Media and Information

Oliver Stickel
Uni Siegen


3-DRAWER STYLE $14.65
5-DRAWER STYLE $15.00
7-DRAWER STYLE (AS ILLUSTRATED HERE.) $15.45
BALL BEARING

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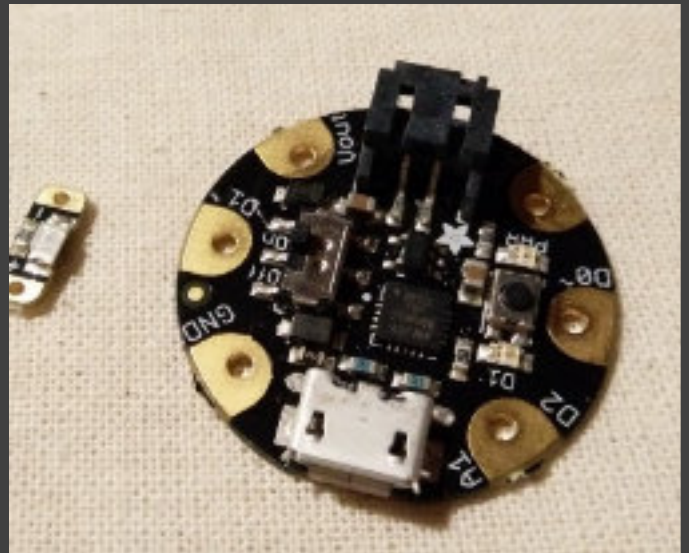
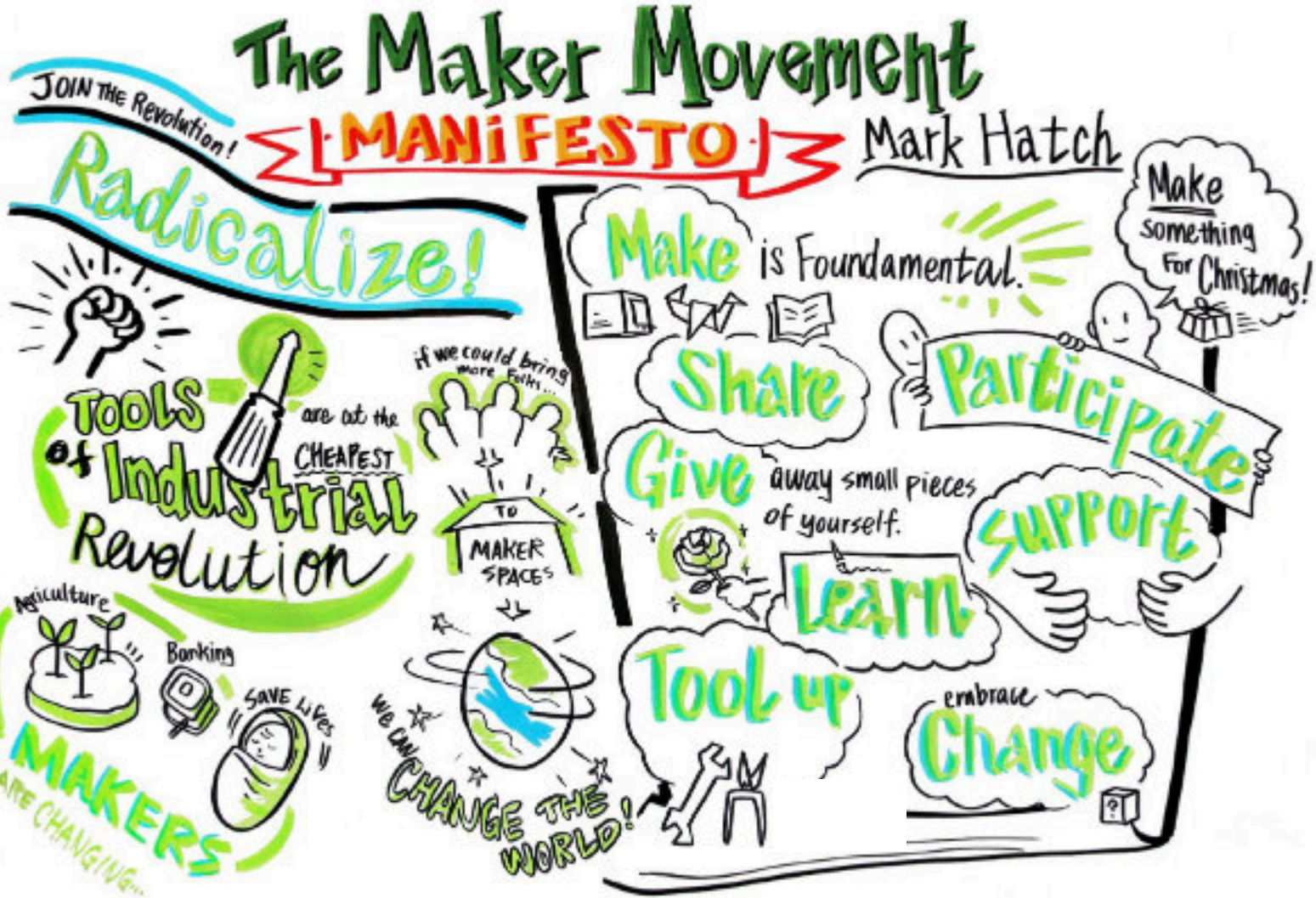
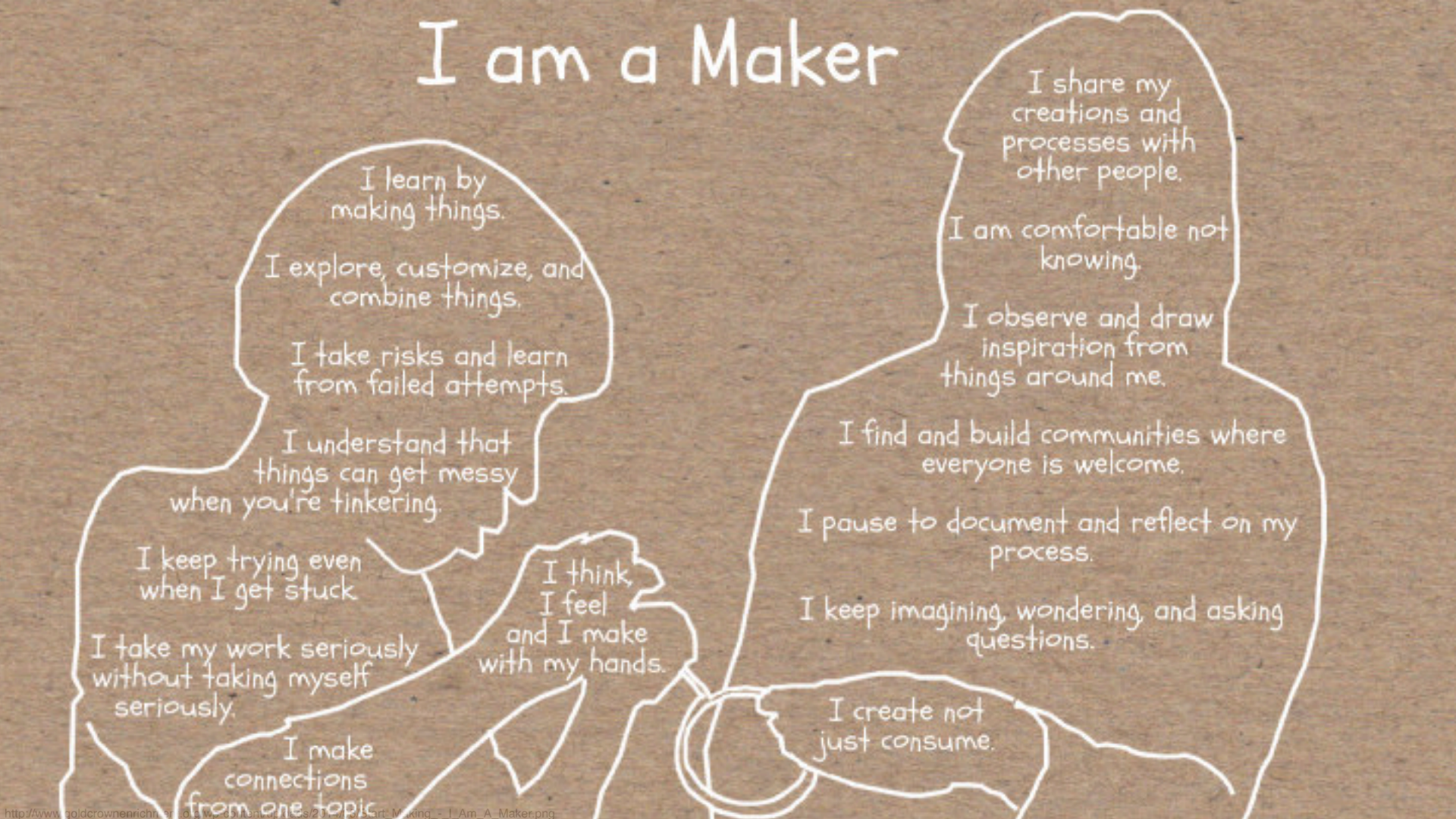


ATOMS



Maker Manifesto (http://www.mcgrawhillprofessionalbusinessblog.com/wp-content/uploads/2014/01/



http://www.goldcrownenrichn.org/a-wp-content/uploads/2014/03/Start_Making_-_I_Am_A_Maker.png

CONGRESS CENTRUM

FAB LABS

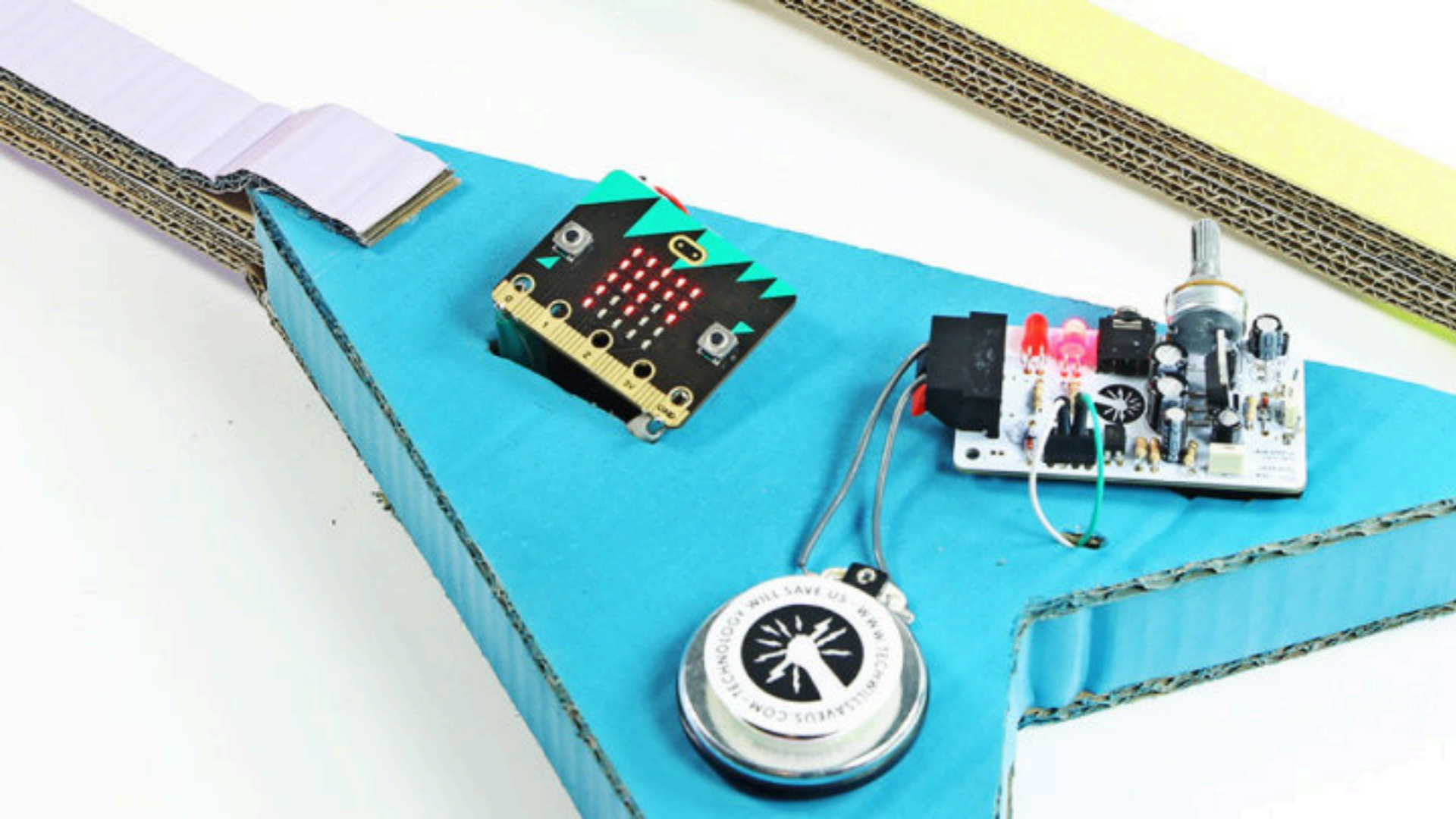
Openness • Similar Equipment / Infrastructure • Global Cooperation • Responsibility & Participation • Balanced economic activities

→ FAB CHARTER ←

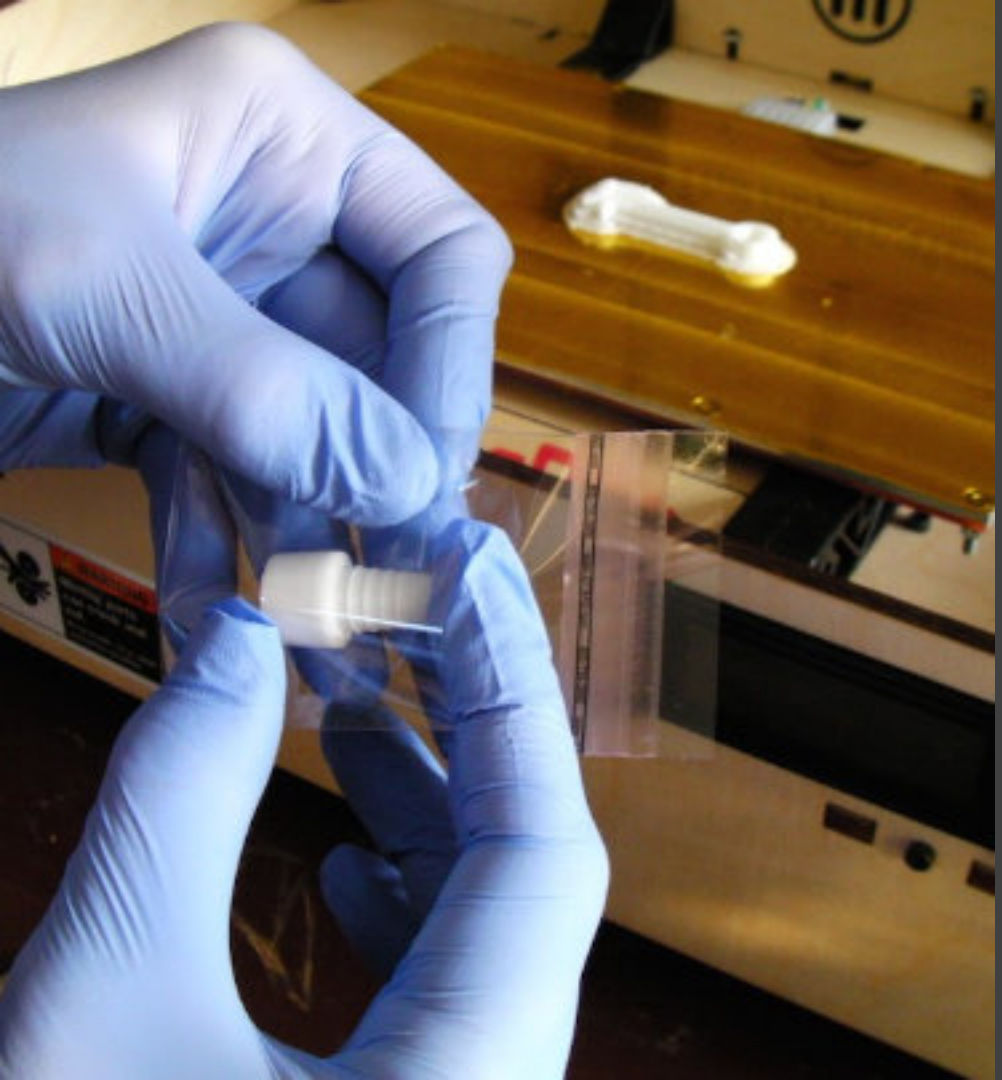
Arctic Ocean
Beaufort Sea
Baffin Bay
GL
Barents Sea
Bering Sea
Canada
North Pacific Ocean
North Atlantic Ocean
Russia
Kazakhstan
Mongolia
China
Algeria
Libya
Egypt
Arabia
Niger
Arabian Sea
Indian Ocean
South Atlantic Ocean
South Pacific Ocean
Bolivia
Coral Sea
Tasman Sea
Scotia Sea

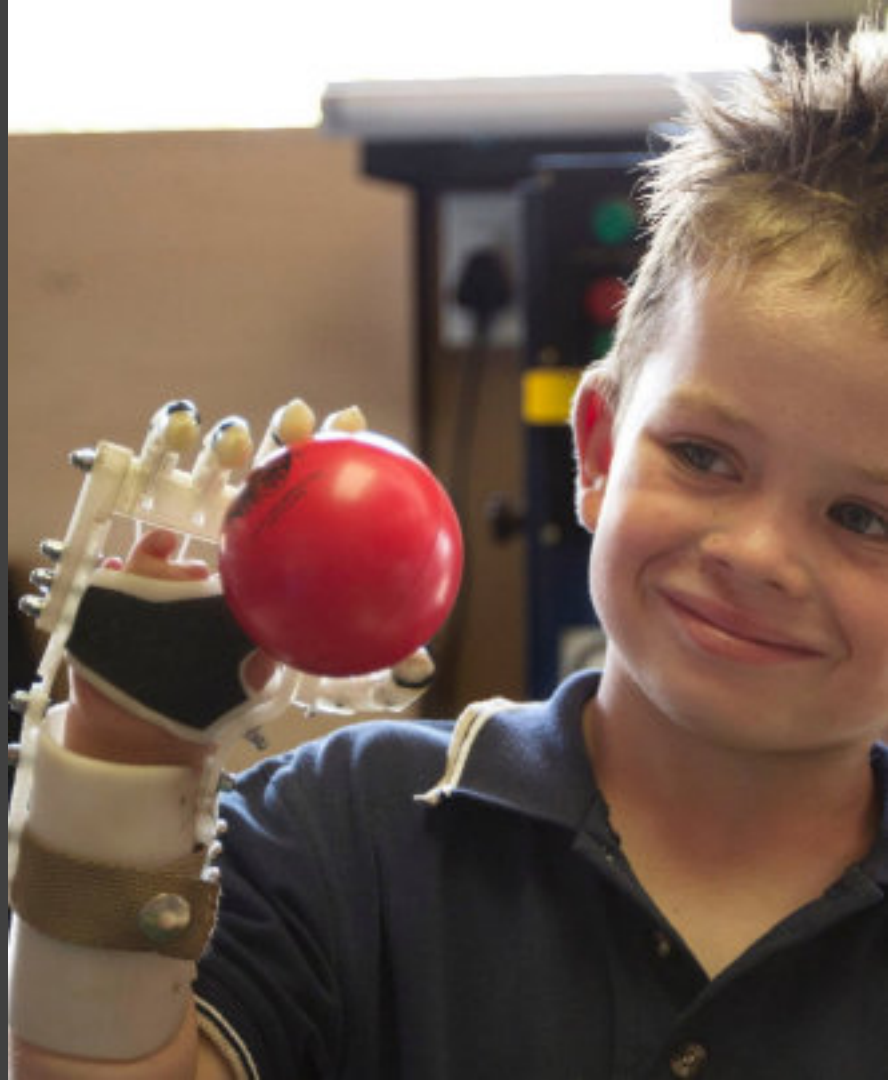
fablabs.io

LULZBOT
TR2

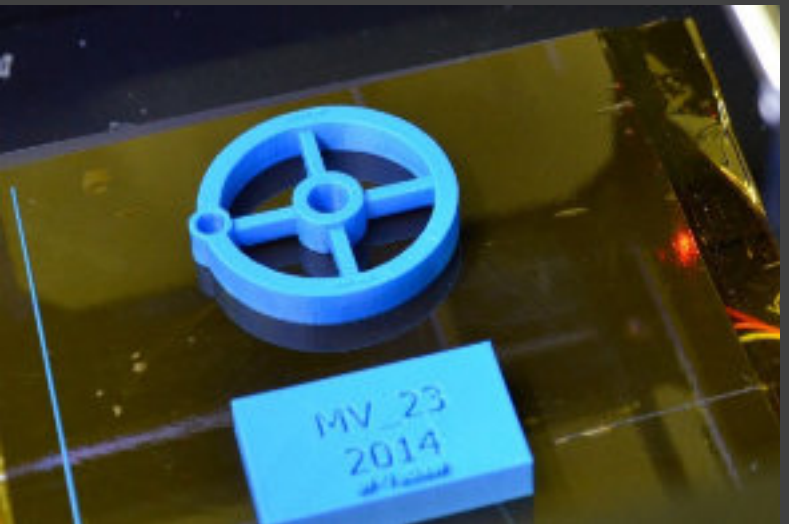

TECHNOLOGY WILL SAVE US
WWW.TECHNOLOGYWILLSAVEUS.COM

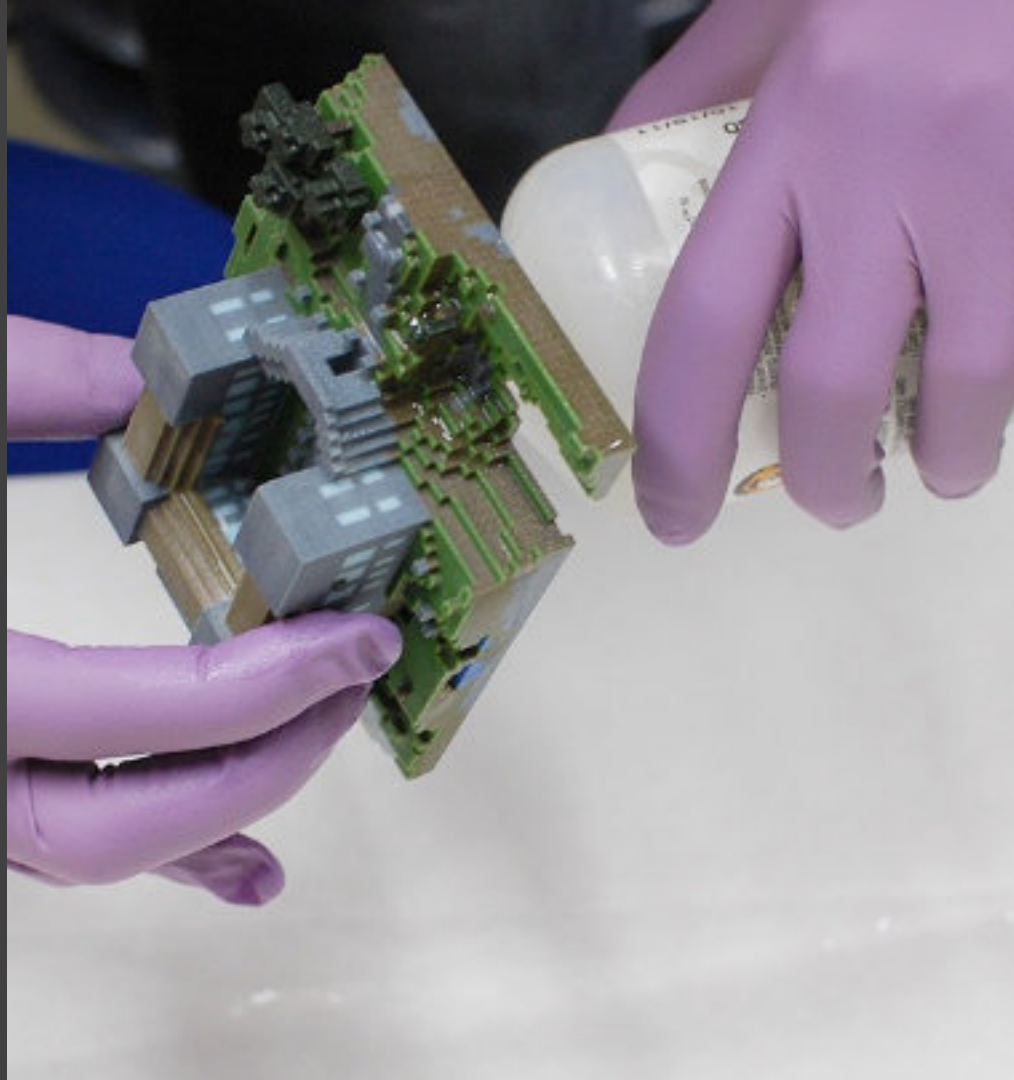
pebble
getpebble.com/app
Pebble Time 5B4B

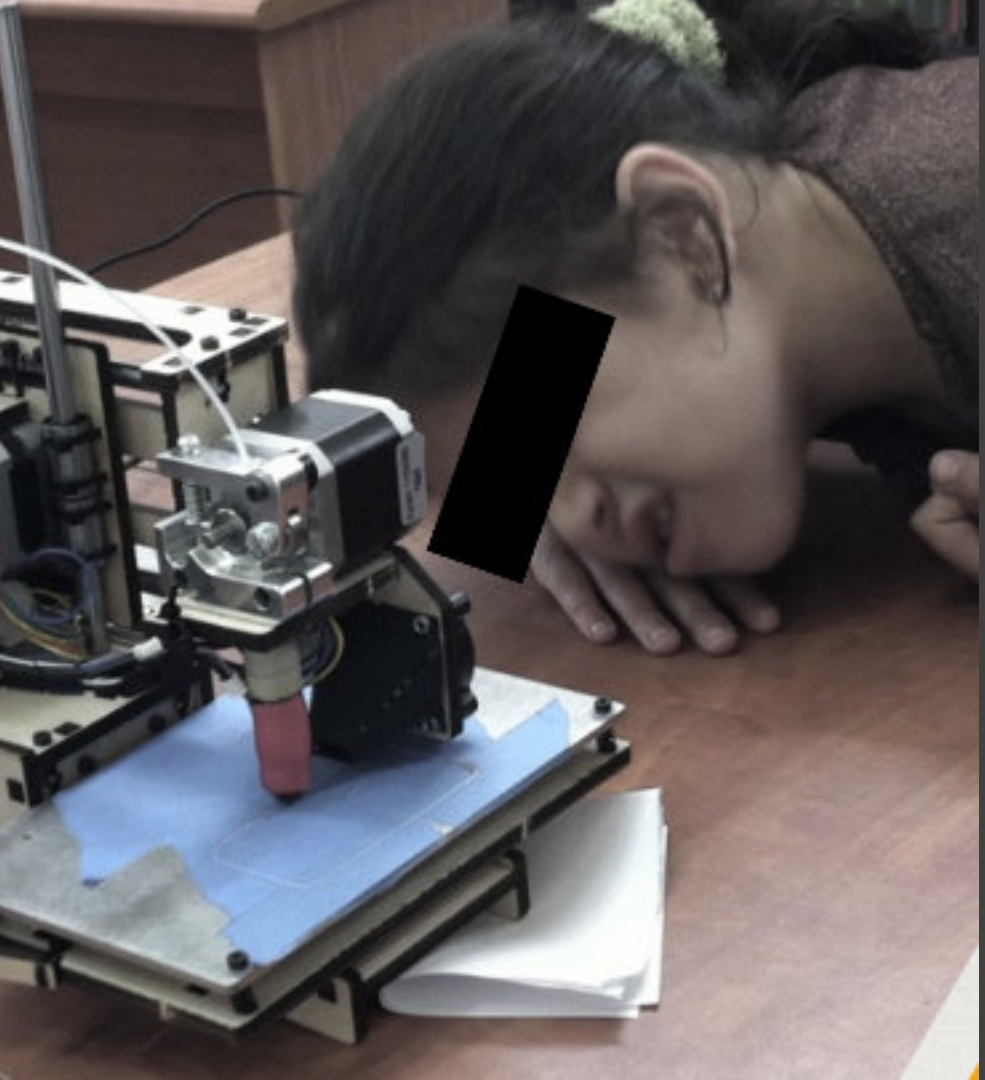




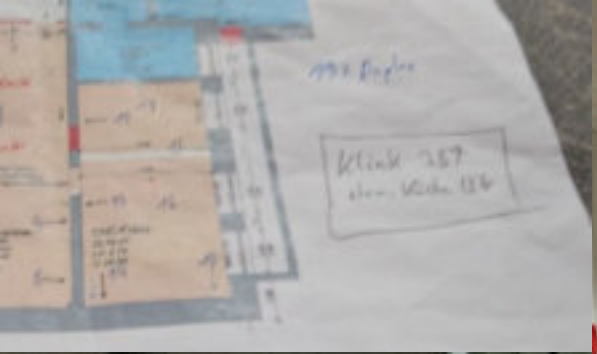
IN SIEGEN…?

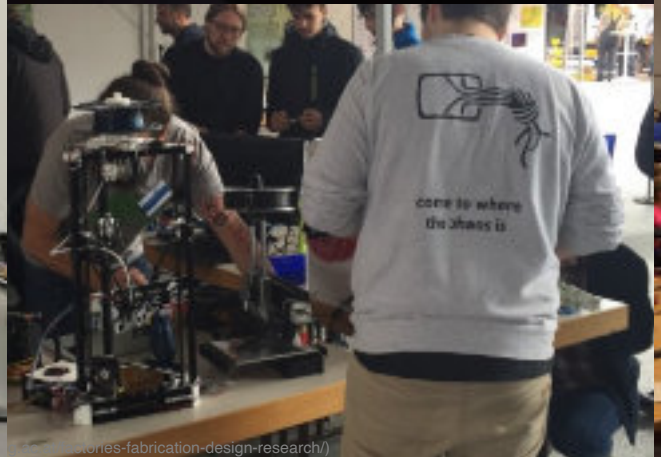

MV_23
2014





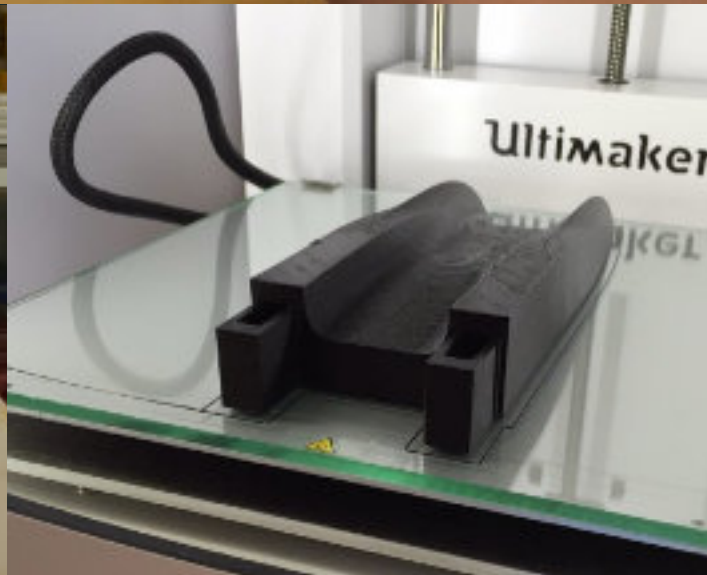
LERNGRUPPE
Mathe
Geschichte
Geografie




core to where
the shoes is

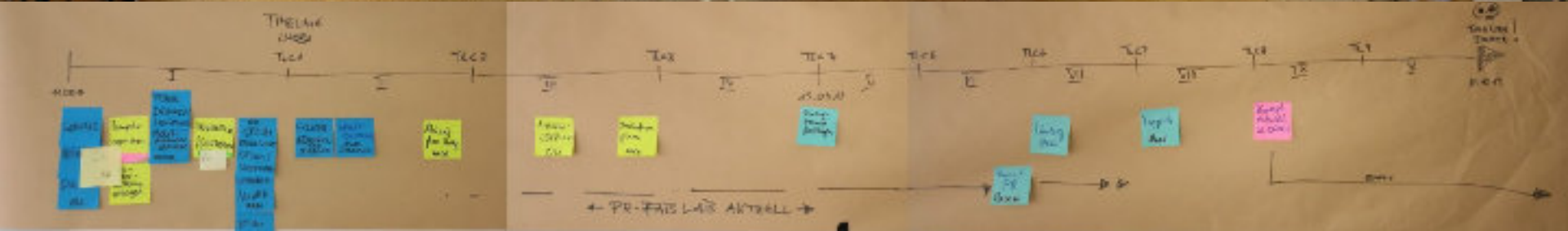
ENABLED
MQTT
WIFI

LYM

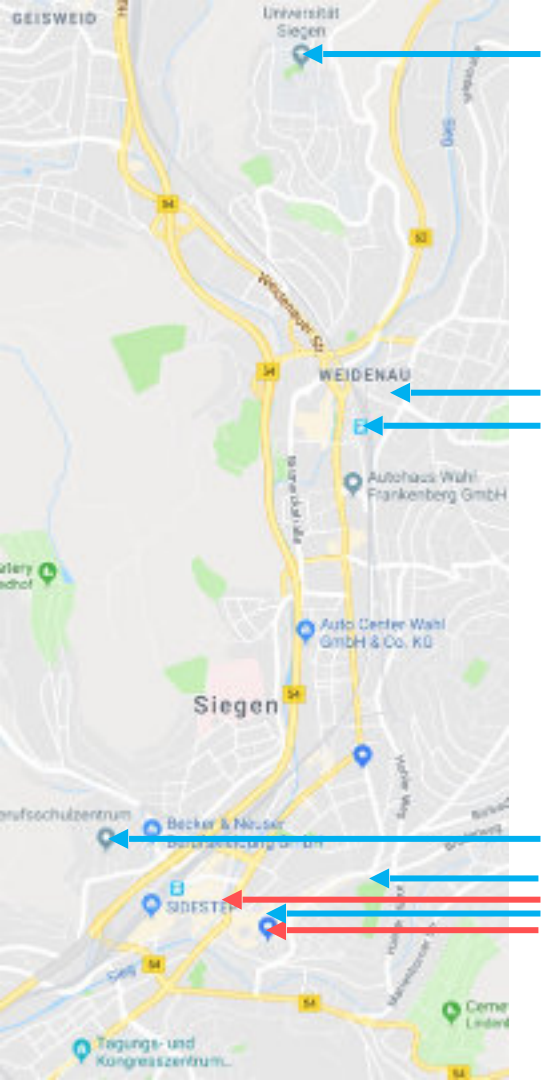

Ultimaker

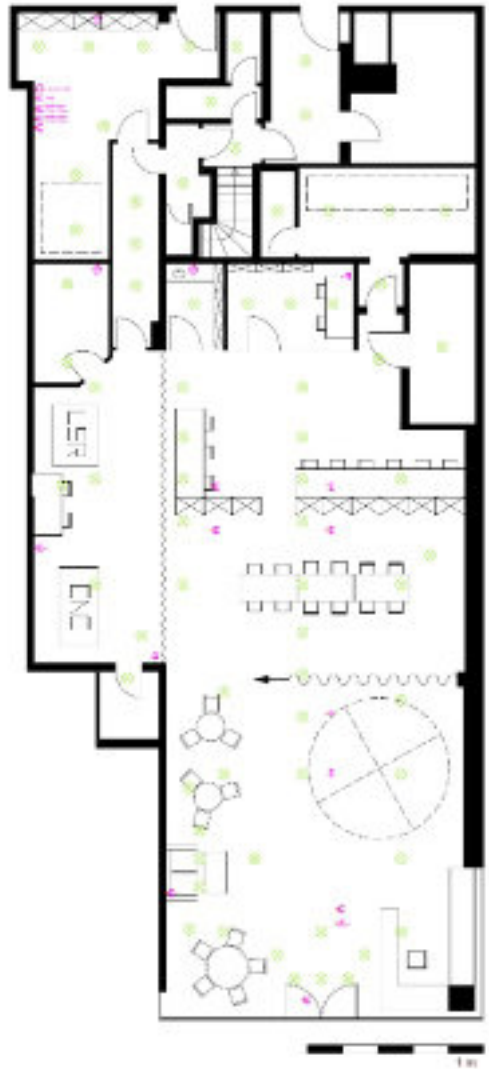
gig
GLOBAL
INNOVATION
GATHERING
MAKERS. HACKERS. FOUNDERS. INNOVATORS. CHANGE MAKERS.
We are what we create together.

HERRENGARTEN



EUROMOVERS


GEISWEID
Universität Siegen
WEIDENAU
Autohaus Wahl Frankenberg GmbH
Auto Center Wahl GmbH & Co. KG
Siegen
Becker & Neuser
SIDESTEP
Tagungs- und Kongresszentrum



OPEN LAB

- *Lab open for everyone*
- *Friday 14:00-20:00*

- *More events & info:*
  www.fablab-siegen.de
  facebook.com/fablabsiegen
  twitter.com/fablabsiegen

FAB 101

- *3-year BMBF projects on Fab Labs in Academia*
- *www.fab101.de*

Teaching

- *Project-oriented, pretty open*
- *We have an open seminar for (ECTS-creditable) student projects. Talk to us!*
- *We offer different lectures /*

Research

- *FAB101, ZEIT.RAUM, energy, KoZe, GeWiNN, YALLAH, SMAP, REGIONALE, etc.*
- *Research Infrastructure for PD, PAR, etc.*
- *Citizen Science / Research*

fablab-siegen.de/kontakt

facebook.com/fablabsiegen

twitter.com/fablabsiegen

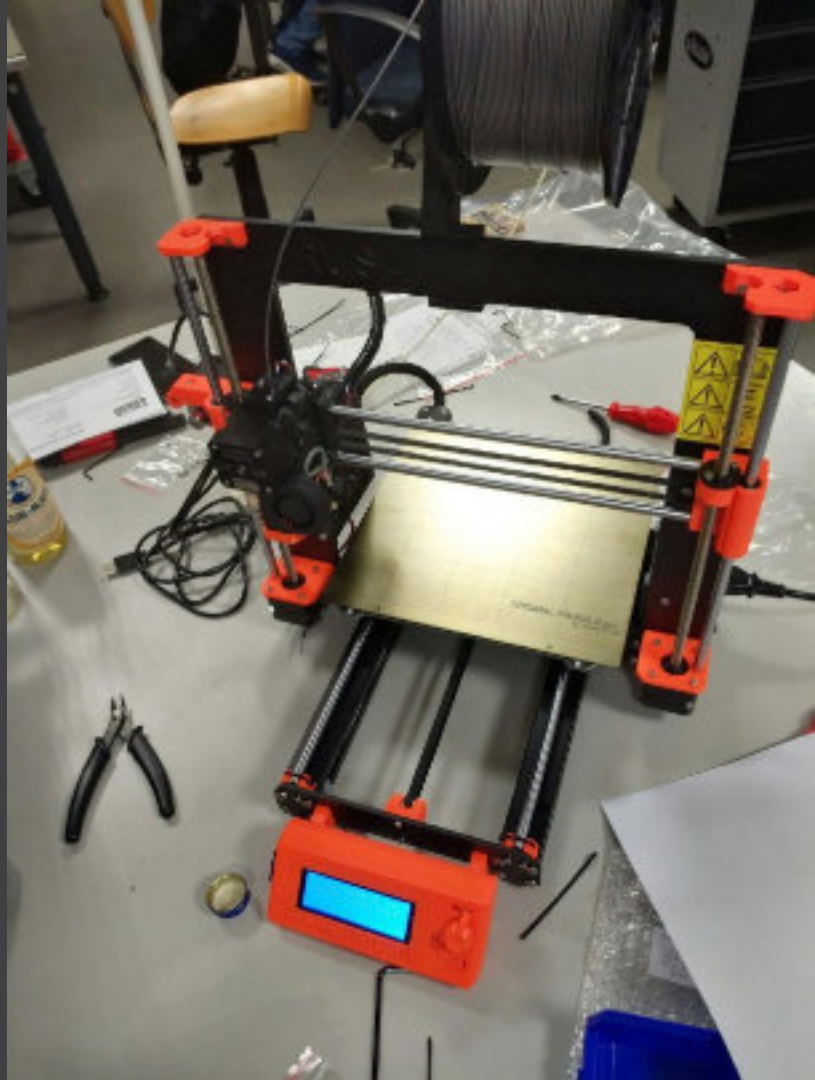
https://telegram.me/joinchat/B0OnzgNvtNHaKFuvSE-l8w

oliver.stickel@uni-siegen.de

DEMO: PrusaControl

Hands-on!

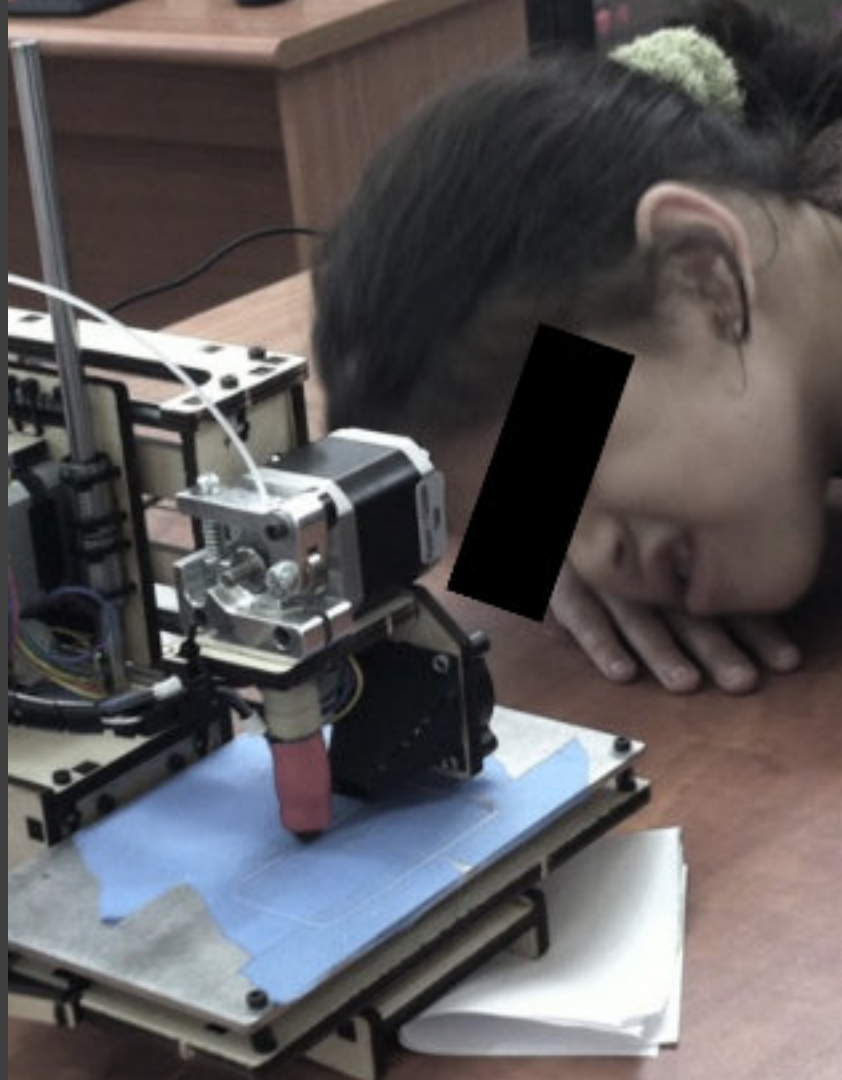
- *2-3 persons per printer*
- *Download & Install https://prusacontrol.org/*
- *Slice stuff! 3D models: http://thingiverse.com*
- *Remember the lessons on Slicer parameters!*



Your first print

- *Select a 3d model with less than 15min print time*

- *Prepare yourselves:*
  - *Intro video to Prusa i3: https://bit.ly/2HI8iax*
  - *Manuals: manual.prusa3d.com*



NEXT TIME:

- More hands-on 3D printing:
  Other 3d models, printer technologies, materials, …
- Moving towards your projects.

fablab-siegen.de/kontakt

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twitter.com/fablabsiegen

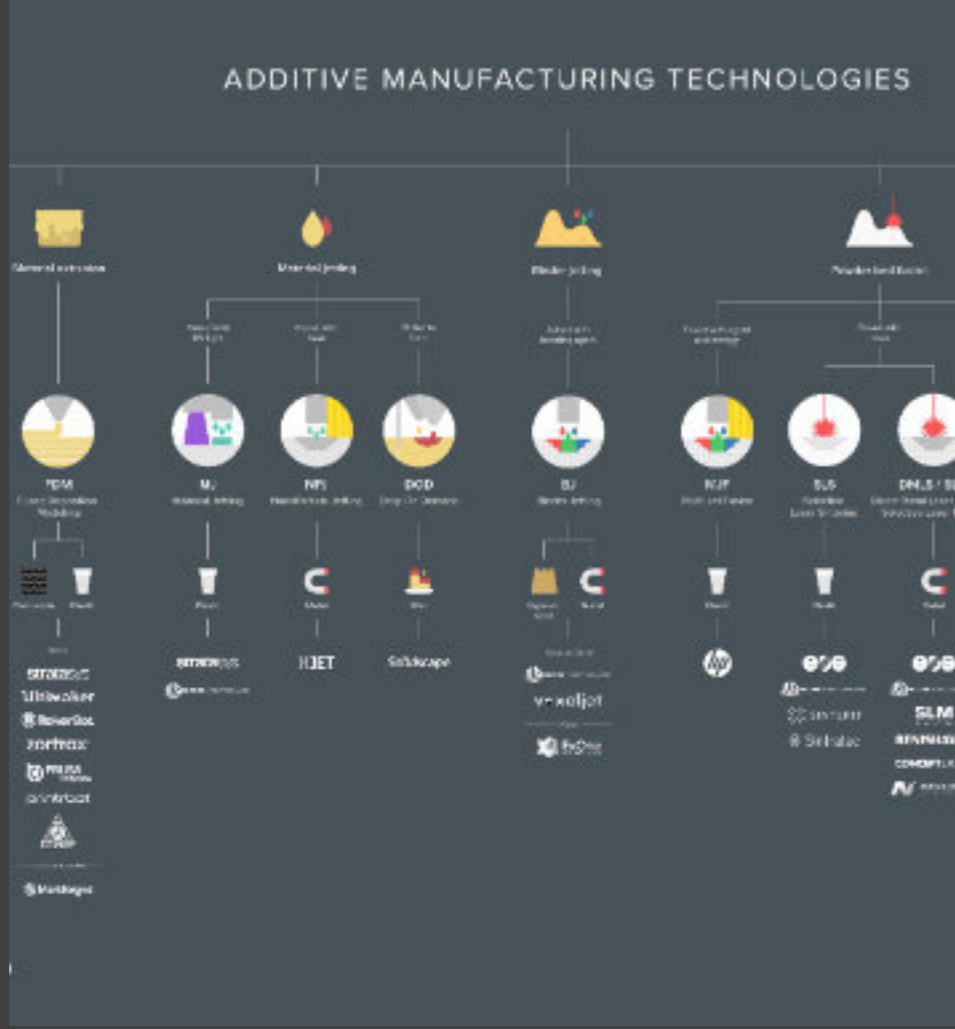
2018-05-30

- Theory & Demos:
  Printer tech & materials
- Hands-on:
  Advanced slicing & printing
- Your Projects:
  Basic info & Lab times

Tech & Materials

- *SLA (Epoxy)*
- *Binder Jetting (plaster)*
- *SLS (PA, Metal,…)*
- *Large-Format FFF*
- *Composites*
- *Casting*

- *FFF: PLA, Composites, ABS, PET, PA, HIPS, PVA, Flex*

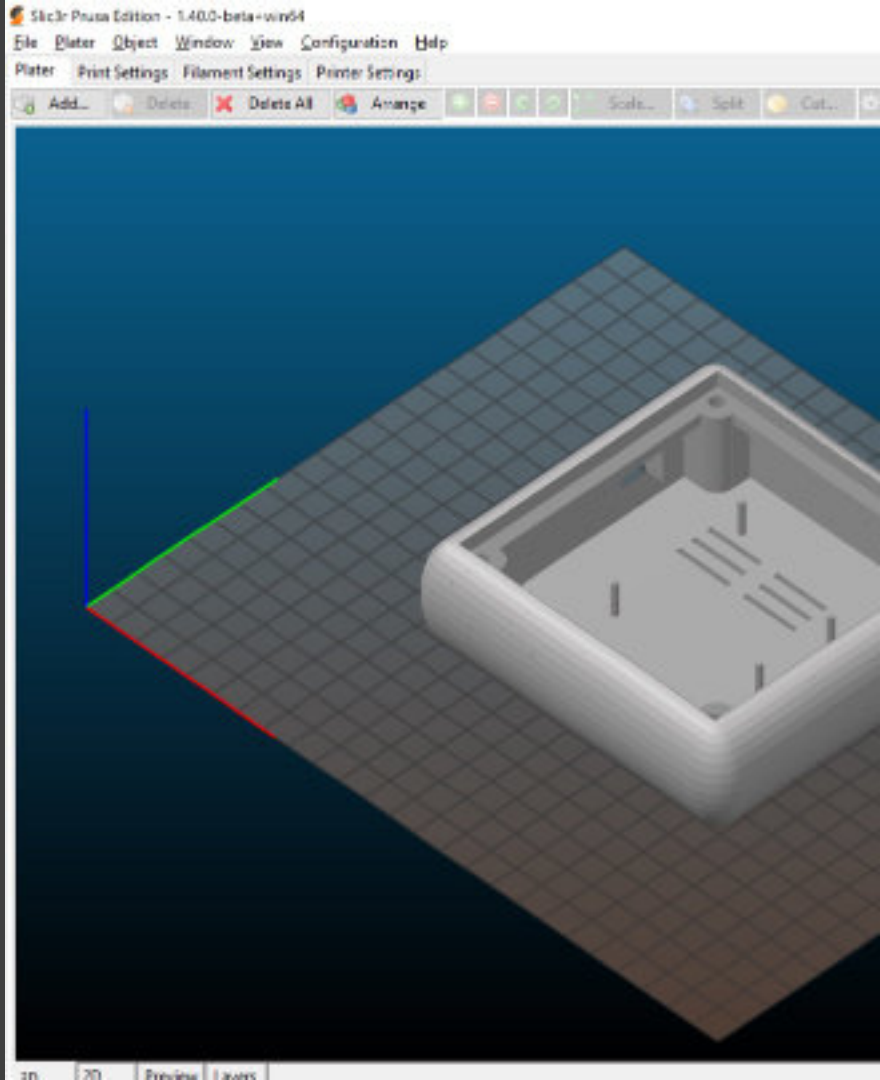


http://3dhu.bs/AMTech

Hands-On

- *Install Slic3r Prusa Edition & experiment like last time*

- ***Do one or more:***
  - *Print with advanced support*
  - *Insert * during printing*
  - *Use an exotic material*
  - *Use another printer*
  - *Print-in-place mechanism*
  - *...?*



Your Projects

- *Topics: Stefan (next week)*
- *Rest of the semester (& recess?)*
- *Lab available Fri + 1d*
- *Which day works for you?*

NEXT TIME:

- Projects!