

HIRIKILABS

**PROIEKTU IREKIAK
HIRIKILABS PLAZA 2015**

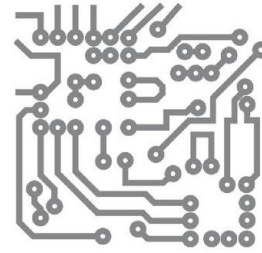
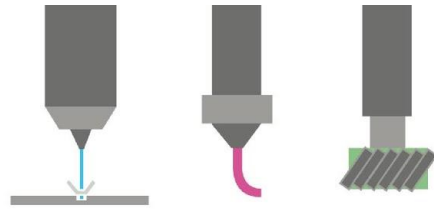
**PROYECTOS ABIERTOS
HIRIKILABS PLAZA 2015**

HOW TO MAKE #6

2015/12/19

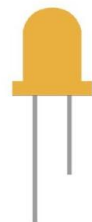
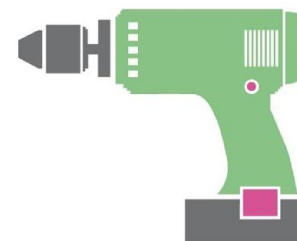
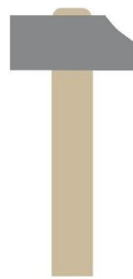
MariJoxe Azurtza

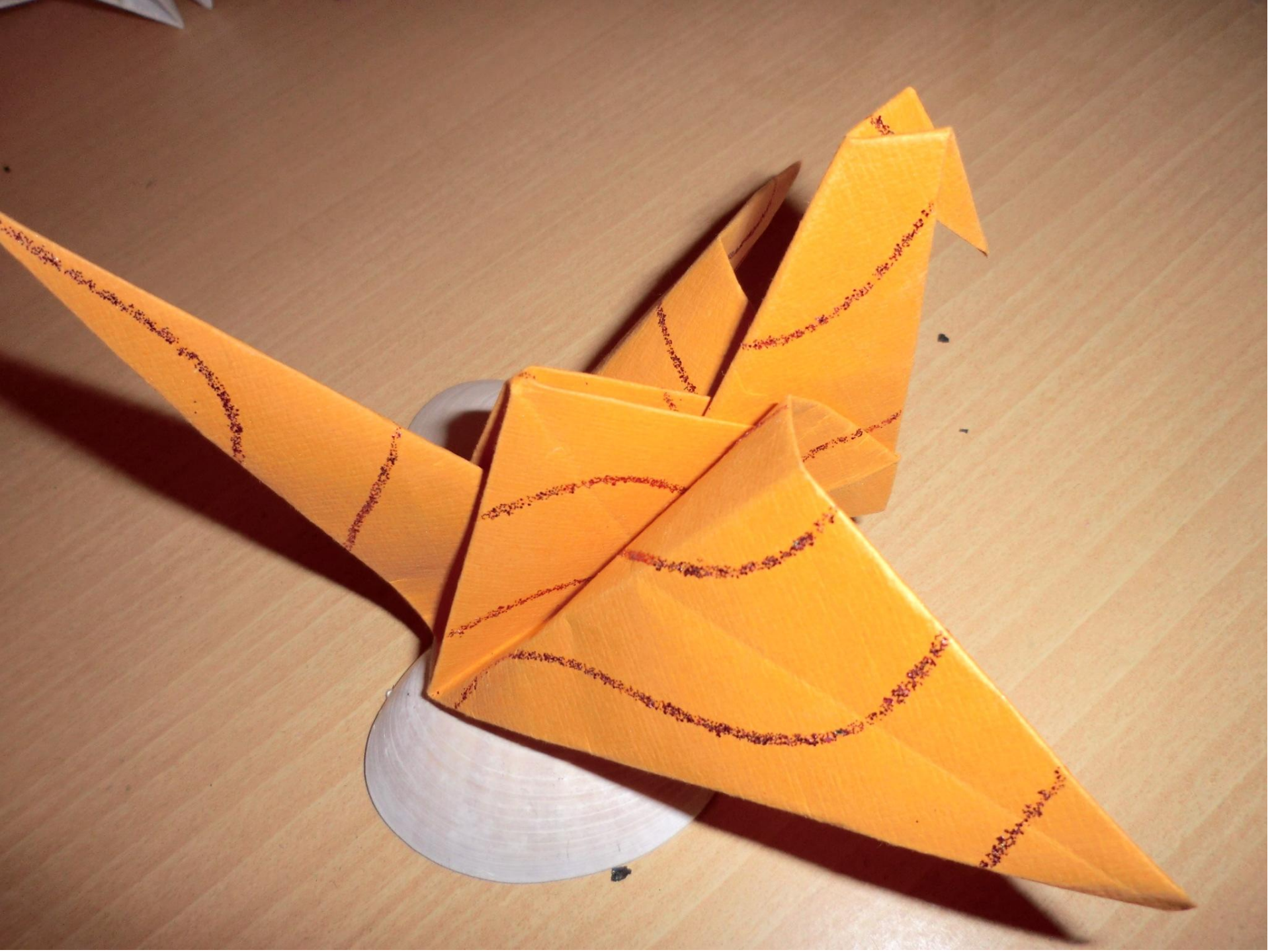
Papirudia

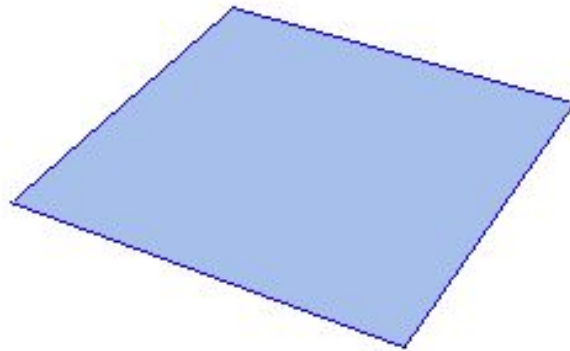


INSPIRAZIOA / BALIABIDEAK

INSPIRACIÓN / RECURSOS

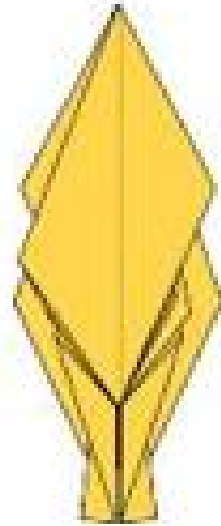
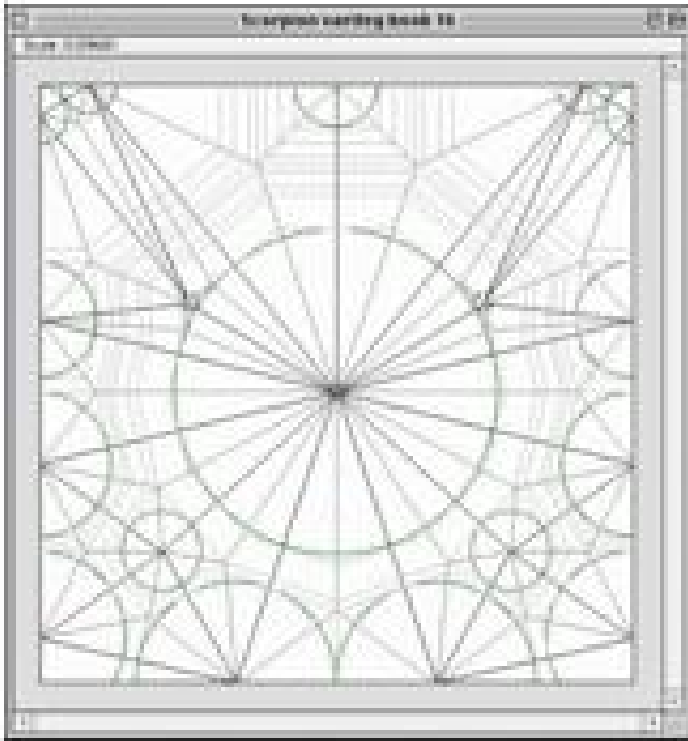






<http://mathworld.wolfram.com/Origami.html>

Robert J. Lang



<https://plus.maths.org/content/power-origami>

Matematika

Simetria

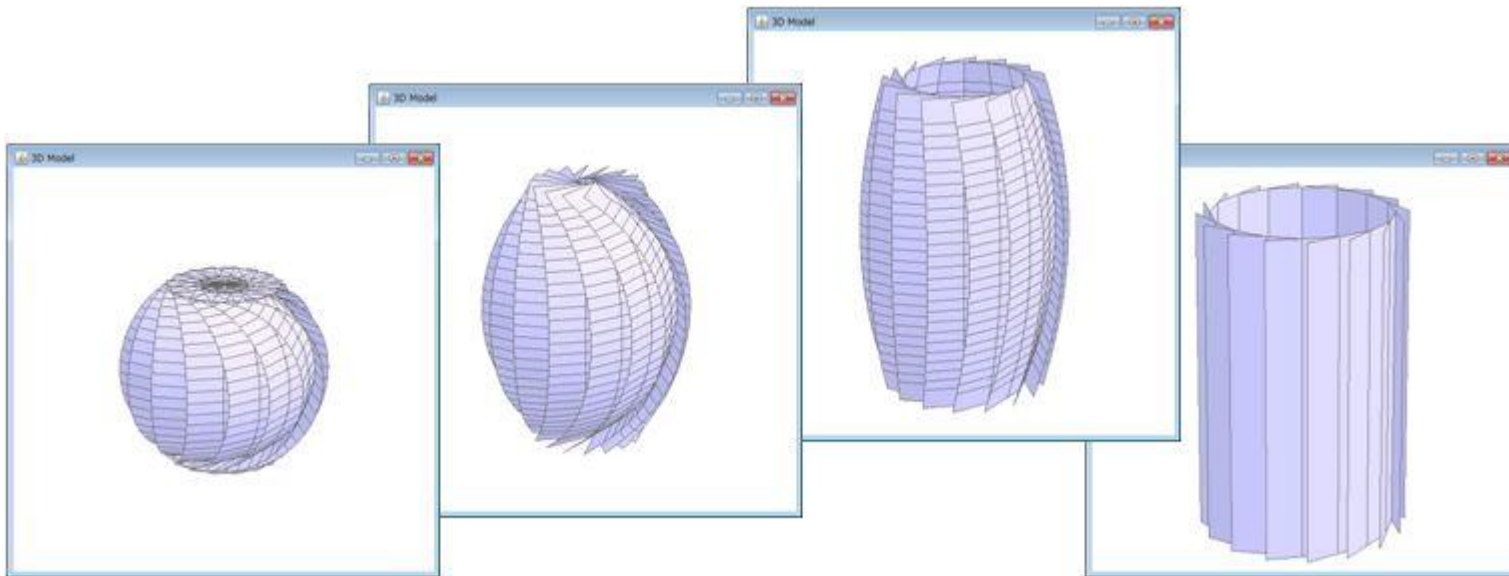
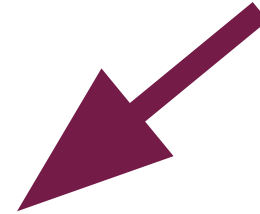
Artea

Teknologia

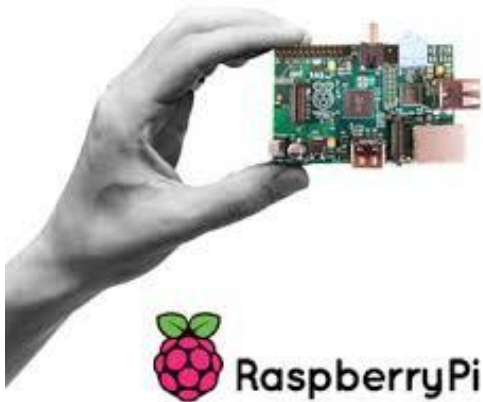
Konputazio tresnak papertolesketarako:

- - Tree Maker (by Robert J. Lang)
- - Origami Flanged Pots (by Robert J. Lang)
- - Tess (by Alex Bateman)
- - Rigid Origami Simulator (by Tomohiro Tachi)
- - Origamizer (by Tomohiro Tachi)
- - Freeform Origami (by Tomohiro Tachi)
- - ORIPA (by Jun Mitani)

Animazioa da!



http://mitani.cs.tsukuba.ac.jp/origami_application/ori_revo_morph/



Wolfram
lengoaia



Mathematica
Polyhedra paketea

Nola?

PAPIRUDIA

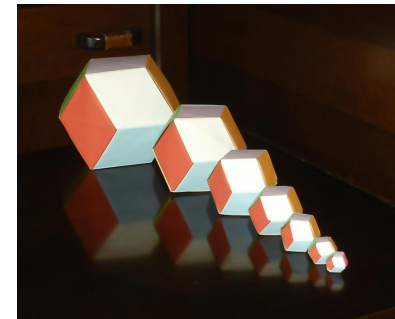
Programatzaileak

Animazioa dakitenak

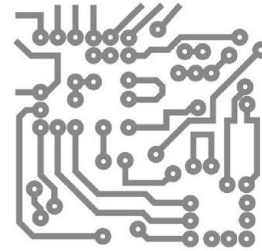
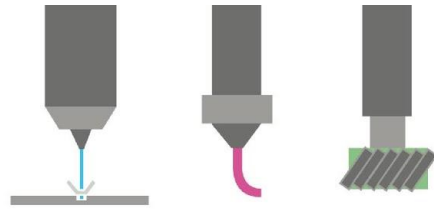
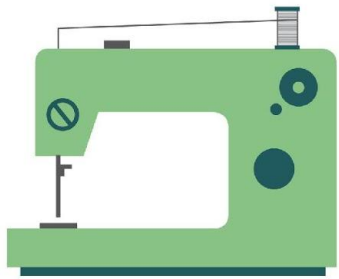
Raspberya erabiltzen ohitura dutenak

Papertolesketa ikasi nahiko luketenak

Irakasleak, hezkuntza mundukoak

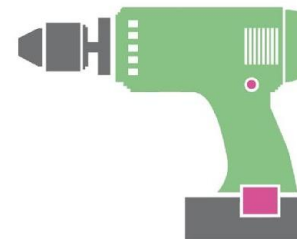


Oinarria:
papertolesketa



DISEINUAREN FASEAK ETA PROZESUA

FASES Y PROCESO DE DISEÑO



A) Origamia, papera tolesten ikastea



Erronkak

C) Zer?

B) Raspberryan aplikazioak instalatzea





Wolfram
lengoia



Mathematica
Polyhedra paketea

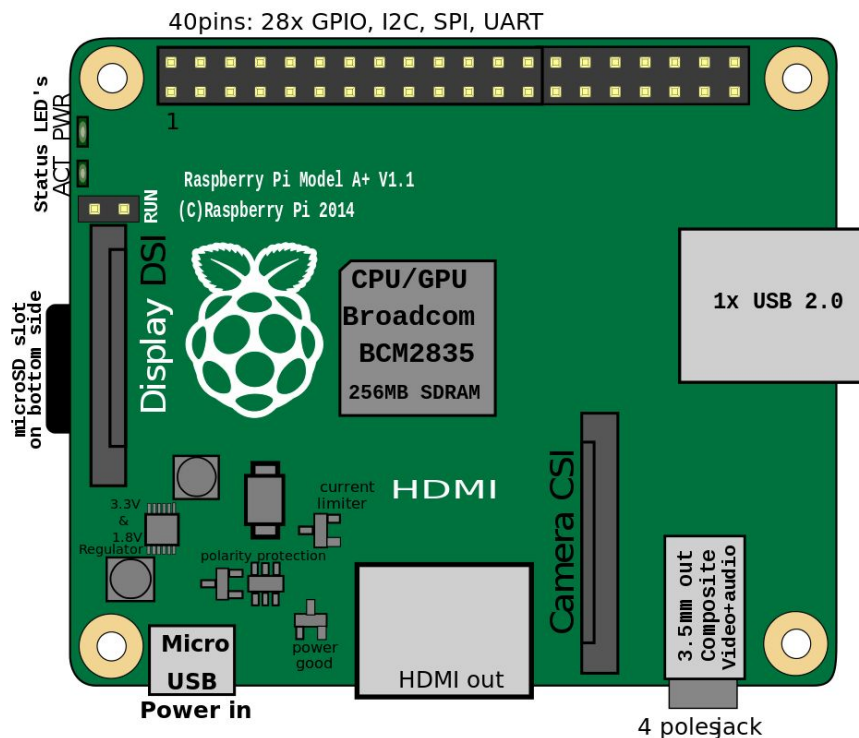
Processing

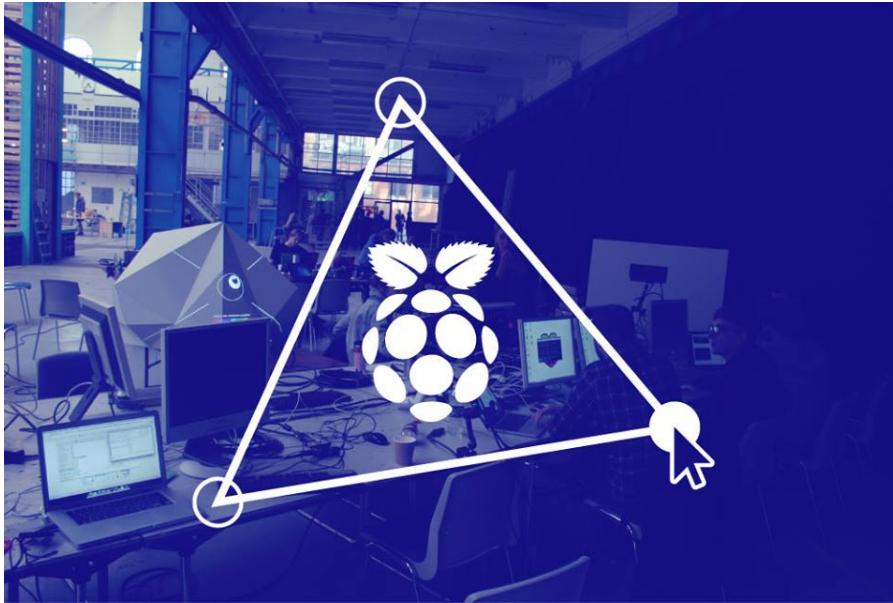
Mapping Proiekzioa



C) Zer?

Raspberry Pi A+





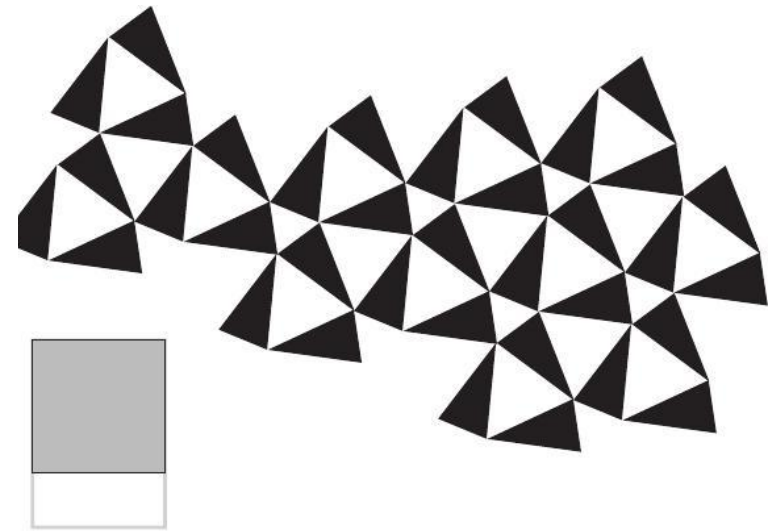
Projection Mapping with Raspberry Pi

Opportunity by [Irina Spicaka](#)

Saturday 17 October 2015

at 13:00h

Kapelle-Ufer 1 Berlin 10117



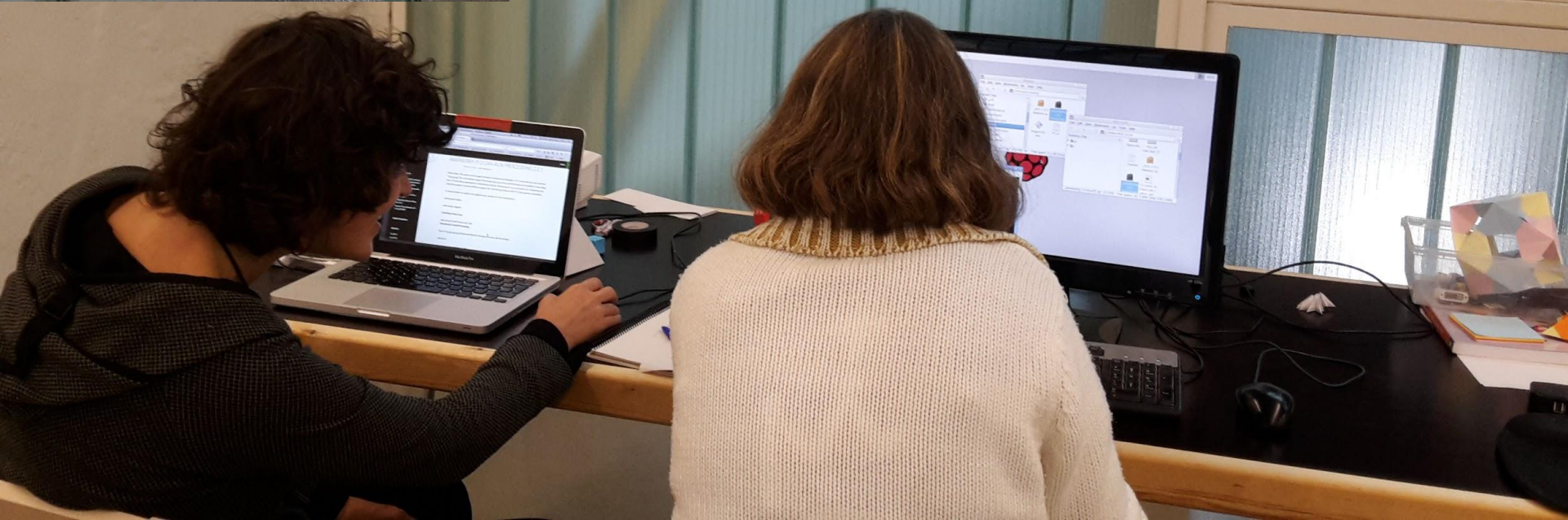
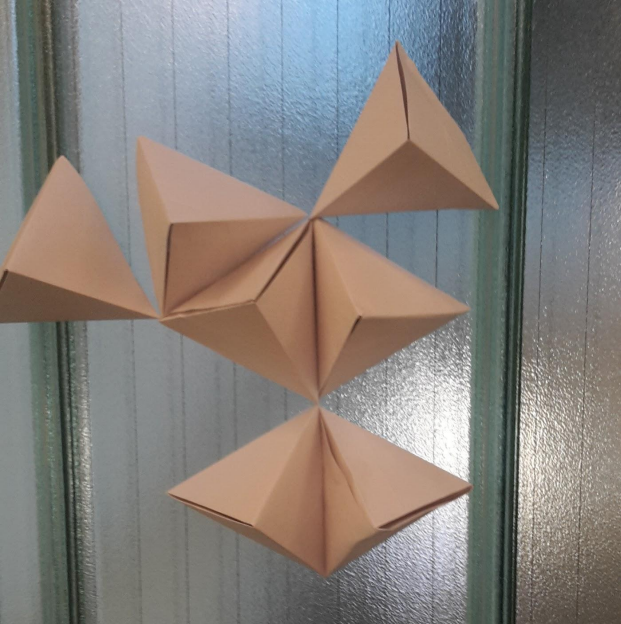
Papirudia

2015ko abenduaren 19an

Tabakalera, Donostia

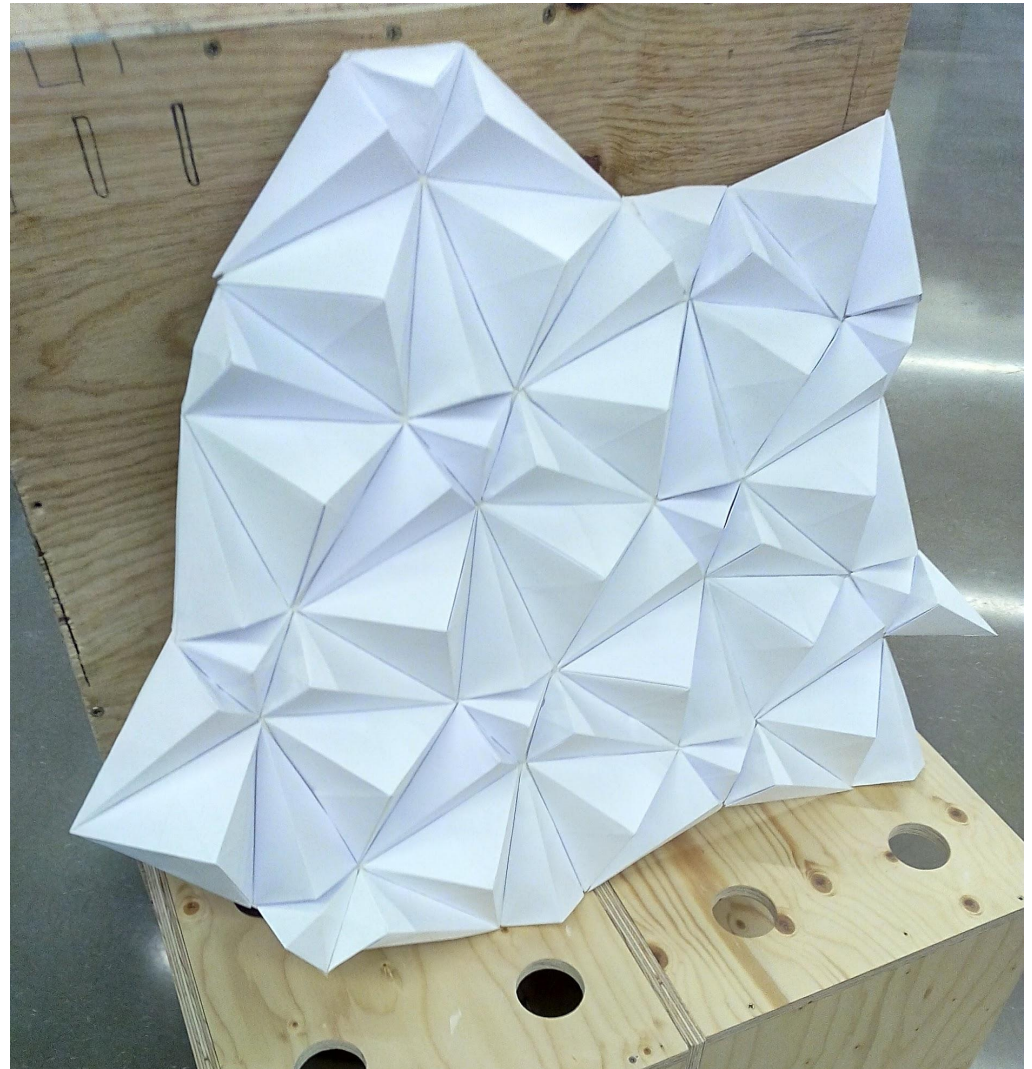
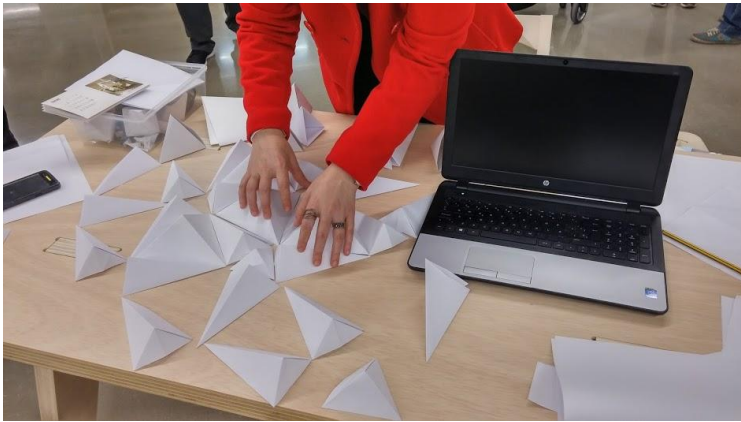
C) Zer?

Mapping zer den ulertu nahiean, Mac-ean erabiliz

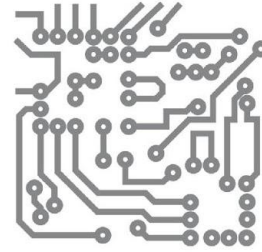
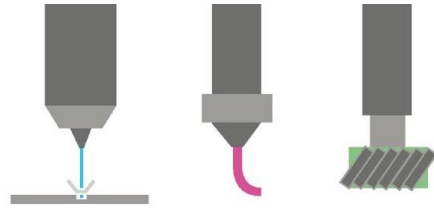


Raspberryan Processing instalatzen

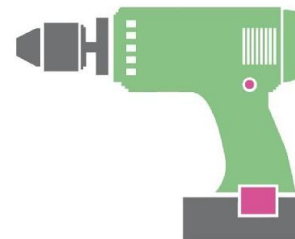
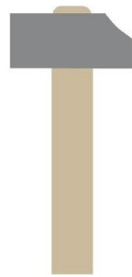
Mosaikoa eraiki eta mapeatu



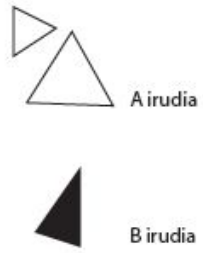
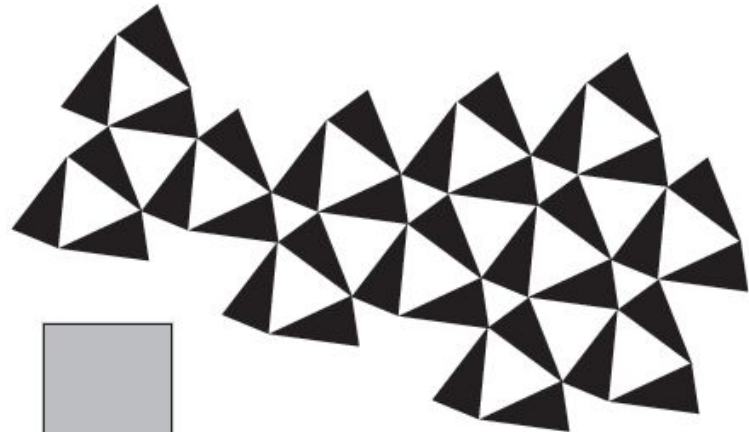
<https://www.youtube.com/watch?v=wtDrqNwwHSY>



TRESNAK ETA MATERIALAK HERRAMIENTAS Y MATERIALES



Mosaikoa

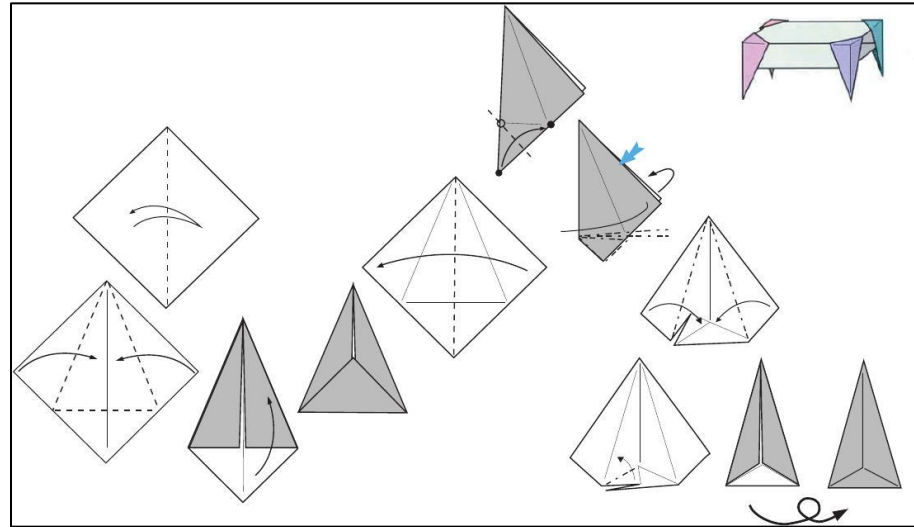
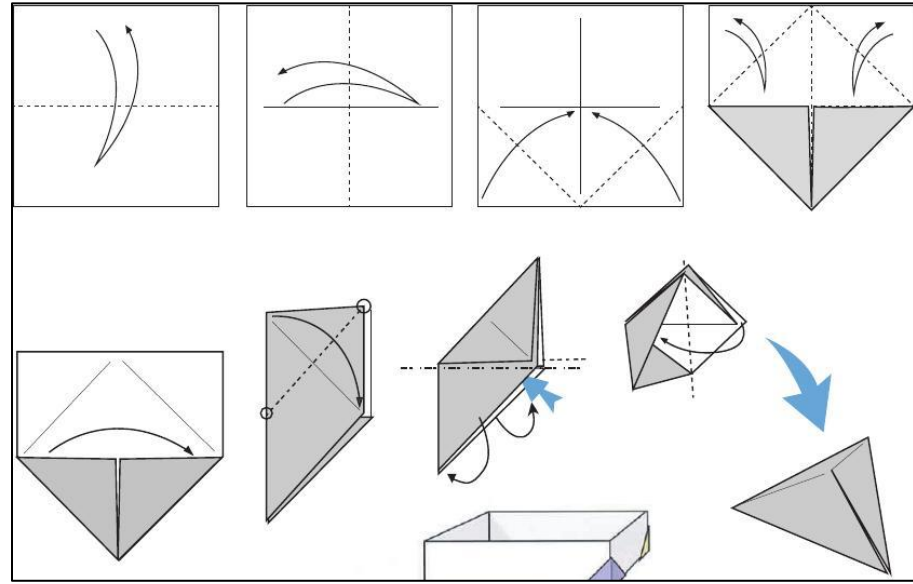


A5 orrietatik
habiatuz
hiruki beltzak
lortu daitezke

Txuriz geratzen diren hutsuneak hiruki aldekidekin
osatzeko, hasierako paperaren tamaina kalkulatu dugu:
x1= 22,38zm (22,5zm) handiaren kasuan
x2= 7,47zm hiruki txikiaren kasuan

1. Oinarriazko irudiak:

hiruki aldekidea eta isozelea



2. Papera 80gr eta 120gr
Mosaikoa lotzeko zeloak
Neurketak egiteko erregela

3. Mosaiko bat irudikatu eta egin

4. Raspberry Pi A+

ARMv6 CPU, 256 edo 512 MB RAM eta Broadcom VideoCore IV graphics

Egokitutako Debian Linux bertsioa

Azalpen gehiago: Raspberry Pi fundazioa

<https://github.com/processing/processing/wiki/Raspberry-Pi>

5. Raspberry erabiltzeko periferikoak

5. Aplikazioak

Processing 1.5.1, librea

<https://processing.org/>

Programazio artistikoa

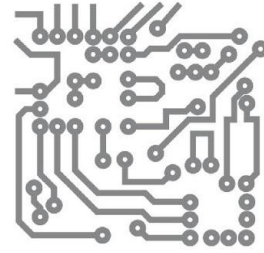
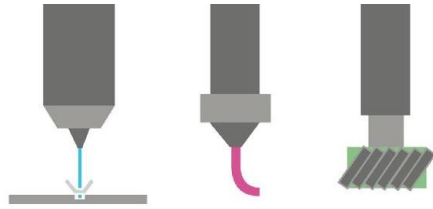
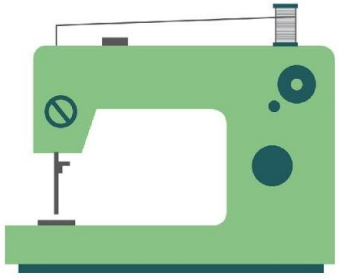
ARMv6hf arkitekturarentzat egina

Raspbian eta Processing batera dakartzan irudia badago

Mapping

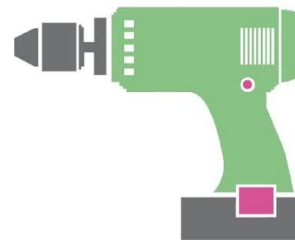
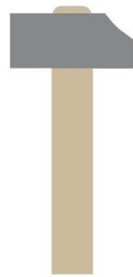
Liburutegiekin buruhaustekak

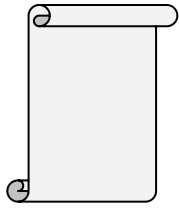
6. Proiektagailua



PROFILAK / TALDEA

PERFILES / EQUIPO





Proiektu BAT

PAPIRUDIA



Irrika/Ilusio ezberdinak bildu ditu

Origamia ikasi

Raspberrya ezagutu

Mappinga landu Raspberryan

Taldean lan egin

Lau taldekide

Evak diseinua,
mosaikoaren ideia eta lana



MariJoxek ideia proposatu
eta origamia ekarri

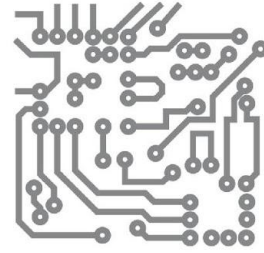
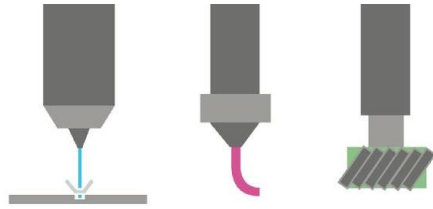
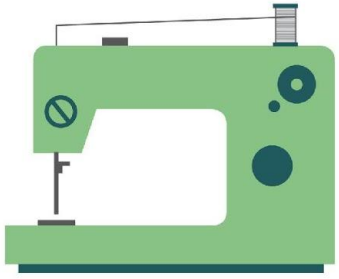
Josemik Origamirako irrika
eta ARM arkitektura zantzua



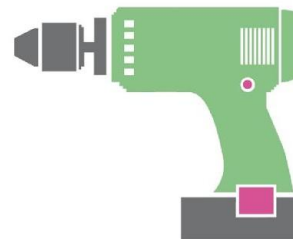
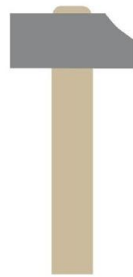
Dianak Mappinga eta
Raspberryarri bultzada







LIZENTZIA / DIY / DIWO
LICENCIA / DIY / DIWO



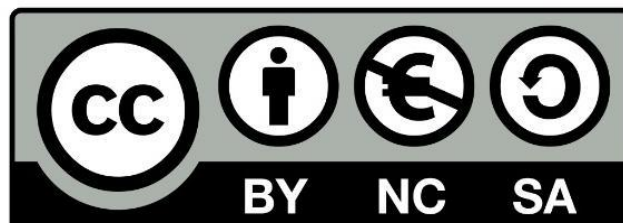
DIWO lizentzia,
denen artean egitekoa

Aitortu-EzKomertziala-BerdinPartekatu 3.0.

@ KONTAKTUA
CONTACTO

www.euskalnet.net/maxeweb

marijoxe@yahoo.com



HOW TO MAKE formatua, Paola Guimeransek pentsatu eta koordinatutako proiektua da, Hirikilabsen inguruan artisau berriak biltzeko asmoarekin. Aitortu-EzKomertziala-BerdinPartekatu 3.0. lizentziapean dago. Ilustrazioak Naia Querejetak egin ditu eta lizentzia berdina dute.

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