Drawing light box project

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For: Fablab Wellington

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# Purpose

Objectives

Reuse old or broken screen from laptop, flat screen or TV to transform them into drawing light box of different size.

Use the structure of the fablab to do the modification.

Maybe make open class to show how to make

# Reciprocal Aims

|  |  |
| --- | --- |
| Designer | Fab Lab |
| -Access to assembly resources within the Fab Lab  -Creative support | -Access to open sources documentation  -Workshop tutorial |

# Material list

|  |  |
| --- | --- |
| Item | Supplier |
| Screens | Recycling computer |
| 5-12V DC power supply | Aliexpress or tradme or student |
| 2.1mm power jack | same |
| All the housing materials TBC | Fablab |

Due to the difference of each screen we may have to vary the list of materials.

# Safety considerations

Working with low voltage DC electronics, under 50V.

Foll

# Goals & Outcomes

Stage 1:

* making a working prototype with recycling material

Stage 2:

* set up a workshop

Stage 3:

* set up a solution to sell to the other workshop

# End user

Workshop?

Sell it to Massey University?

Possibility to sell it outside of Massey University? Yoobee?

See if the workshop or the sewing workshop or the design class want big or small for the student/professor usage

Or if Massey want to sell directly to the student or if the Fablab only help them to make their own and sell the part

# Benefits

Here you can find a good list of price for commercial product in England (<http://www.ebay.co.uk/bhp/light-box>)

* A4 format – 70$
* A3 format – 110$
* A2 format – 160$

Have to see with professor if these kinds of products already exist in New Zealand and how much that cost.

See how much they are interested and for what kind of people is it for

Make the total of material list and see how much left

Idea: If the amount is less than one hours of works do the open workshop and if is more split between the fablab and the technician that do the job

# Open source example

<http://www.instructables.com/id/Turn-a-broken-laptop-screen-into-a-portable-light-/?ALLSTEPS>