



FABLAB

og kennsla

16.september 2014
Soffía Margrét Magnúsdóttir
Fjölbrautaskólanum í Breiðholti

Fab Lab Reykjavík



Markmið

- **Að skapa vettvang fyrir nýsköpun og að efla samkeppnishæfni iðnaðarfyrirtækja, menntastofnana og nemenda.**
- **Fab Lab smiðjan mun auka tæknilæsi almennings og skapa möguleika á aukinni fjölbreytni í atvinnulífinu með því að stuðla að nýsköpun.**
- **Að hækka menntunarstig í Breiðholti**

Kynningar



Kennaranámskeið



Nemendur í Fab Lab



Áfangar í Fjölbrautaskólanum Breiðholti

Vorönn 2014

Notuðu kennara Fab Labið markvisst inn í áfanga á:

Listabraut / Húsasmíðabraut / Rafvirkjabraut

Haust 2014

Fab Lab 103 - grunnáfangi

Fab Lab og tækni - Valáfangi 10.bekk

- Samþætting greina og skólastiga - Húsasmíðabraut / Rafvirkjabraut / Fab Lab



- ALL KITS & MODULES ▾
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- ARDUINO ▾
- TIMERS ▾
- AUDIO AMPLIFIERS ▾
- FM TRANSMITTERS ▾
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Home / 41-LED Star VU-Meter with Line In and Built-In Mic

Search

GO

MY CART

You have no items in your shopping cart.

COMPARE PRODUCTS

You have no items to compare.

COMMUNITY POLL

HOW WOULD YOU RATE THE NEW CANA KIT WEBSITE?

- Great
- Good
- OK
- Fair
- Bad

VOTE



41-LED Star VU-Meter with Line In and Built-In Mic

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[f](#) **Líkar þetta** 4 kunna að meta þetta. Vertu fyrst(ur) vinn þinna.

Availability: In stock.

PRODUCT NAME	PRICE	QTY
CK264 - 41-LED Star VU-Meter with Line In and Built-In Mic (Kit)	\$33.95	<input type="text" value="0"/>
UK264 - 41-LED Star VU-Meter with Line In and Built-In Mic (Assembled)	\$46.95	<input type="text" value="0"/>

ADD TO CART

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Quick Overview

- Supply voltage: 9 to 12V DC / 500mA
- Number of LEDs: 41
- Input sensitivity: adjustable from 25mV
- PCB board dimensions: 3.23" x 4.50"

Product Description

Product Tags

Valáfangi 10.bekk Fab Lab og tækni

Kennari: Heimir Jónsson hej@fb.is

Júlfus Júlíusson jul@fb.is

Soffía M. Magnúsdóttir smm@fb.is

Dagskóli

Kennsluáætlun Haustönn 2014



NÁMSGÖGN		MARKMIÐ	
Námsgögn frá kennara, myndbönd og fagbækur.		Tilgangur áfangans er að kynna verk- og tækninám fyrir nemendum. Nemendur kynnst námi á tveimur brautum skólans, rafvirkjabraut og húsasmíðabraut og auk þess kynnst þeir Fab-lab smíðjunni. Áfanginn er að öllu leyti verklegur og fá nemendur tilsögn undir handleiðslu kennara brautanna allan tímann auk þess verður þeim kynnt starfsvið viðkomandi starfsstétta	
1. vika	25.08-29.08	Kynning á áfanga og deildum.	
2. vika	01.09-05.09	Fab Lab kynning á smíðu og tækjabúnaði	
3. vika	08.09-12.09	Fab Lab Inkscape teikniforrit , verkefni í vínlyskera	
4. vika	15.09-19.09	Fab Lab Inkscape teikniforrit, verkefni í Laserskera	
5. vika	22.09-26.09	Húsasmíðabraut verkefnavinna	25.09. Fræðsludagur
6. vika	29.09-03.10	Húsasmíðabraut verkefnavinna	
7. vika	06.10-10.10	Húsasmíðabraut verkefnavinna	
8. vika	13.10-17.10	Húsasmíðabraut verkefnavinna	16. og 17.10. Haustfrí
9. vika	20.10-24.10	Rafvirkjabraut Lært að lóða og smíði á hljóðstýrðri rafeindarás	20.10. Haustfrí
10. vika	27.10-31.10	Rafvirkjabraut smíði á hljóðstýrðri rafeindarásar og prófun	
11. vika	03.11-07.11	Rafvirkjabraut smíði á hljóðstýrðri rafeindarásar og prófun	
12. vika	10.11-14.11	Rafvirkjabraut smíði á hljóðstýrðri rafeindarásar og prófun	
13. vika	17.11-21.11	Fab Lab kynning á þrívíddarforritinu Google sketchup/ Blender, verkefni í 3D prentara	
14. vika	24.11-28.11	Fab Lab kynning á Forritun og Arduino	
15. vika	01.12-02.12	Lokafrágangur og sýning	

Fab10 - Alþjóðleg ráðstefna



SCHEDULE

SYMPOSIUM

FAB FESTIVAL

INFO

REGISTER

SIGN IN

EN

THE 10th INTERNATIONAL
FAB LAB CONFERENCE AND
FAB FESTIVAL

BARCELONA

2-8 JULY 2014

Iaac | FAB LAB
BARCELONA



FAB FOUNDATION

info@fab10.org

FAB10Barcelona is a one week of events focussed on open and accessible technologies that will change the world. It will gather the **Fab Lab Network** and the citizens of Barcelona to make it a FAB City. FAB10Barcelona will gather the international Fab Lab community which has more than 350 laboratories based in more than 40 countries in the world, and will host the **FAB Festival** and **Fab City Symposium**, open to all the citizens of Barcelona.



Fab Kids á FAB10

Make a maker



<http://makered.org/>

FabEd- how to make a maker...

KICKSTARTER Discover Start Search projects

ZERO TO MAKER: A Re-Skilling Guide for New Makers

by David Lang

Home Updates **21** Backers **2,582** Comments **53** San Francisco, CA Nonfiction

Funded This project was successfully funded on February 8, 2013.

LEARN
(JUST ENOUGH)
TO
MAKE **▶ PLAY**
(ALMOST)
ANYTHING

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Learn what you need to make just about anything - a product, an invention you've been dreaming about, or even a maker

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backers

\$49,483
pledged of \$2,500 goal

0
seconds to go

Project by
David Lang
San Francisco, CA

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openrov.com

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DAVID LANG

Co-Founder of OpenROV, a community of DIY ocean explorers and makers of low-cost underwater robots. Author of Zero to Maker. And on Twitter!

<https://www.kickstarter.com/projects/1818704744/zero-to-maker-a-re-skilling-guide-for-new-makers>



How to Make a Maker Class

By Dawn Thomas | Posted November 2nd, 2013 4:29 am | Category Kids & Family, Education, Makers, Makerspaces | [View Comments](#)

(21) (54)

Howdy folks! Would you like to learn how to MAKE a maker class at your school? I have been a middle school art teacher for seven years and I want to share with you how I got my Project Make class up and running on a shoestring budget, with a large (35) group of low-income English Language learners. I mention this at the get-go, because NONE of my students had ever heard of the maker movement, let alone, gone to Maker Faire. Recycling, repurposing, and re-using things was not something they were excited about, at first. As one student put it, when I was encouraging them to bring in items like tin soup-cans, "so you're telling us to bring in garbage? That's gross."

I took my class into the computer lab, and we browsed through Instructables to find some projects which used repurposed materials, and a few days later, they started bringing in tin cans, so I got out the clamps, nails and hammers, and we made these classic little lanterns. The exciting part was getting to go into the supply closet to "test them out" with some tiny tea candles.



Dawn Thomas

I am an Artist, and an Art and Project Make teacher, living in Northern California. I spend great lengths of time facilitating creativity (finding pencils and fixing the pencil sharpeners) for middle school students, and advocating for the Arts to anyone who will listen.

<http://makezine.com/magazine/how-to-make-a-maker-class/>



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<http://www.instructables.com/>

let's make



Let's Make repairs



- EVERYTHING
- TECHNOLOGY
- WORKSHOP
- LIVING
- FOOD
- PLAY
- OUTSIDE



Fix & Repair Contest:
Enter Now!





Let's Make school



- EVERYTHING
- TECHNOLOGY
- WORKSHOP
- LIVING
- FOOD
- PLAY
- OUTSIDE



DIY University Contest:
Enter Now!



Norður Írland



Júl
28

FIX IT CLUB @ FABLAB BELFAST/ FREE EVENT



FABLAB
BELFAST | NERVECENTRE

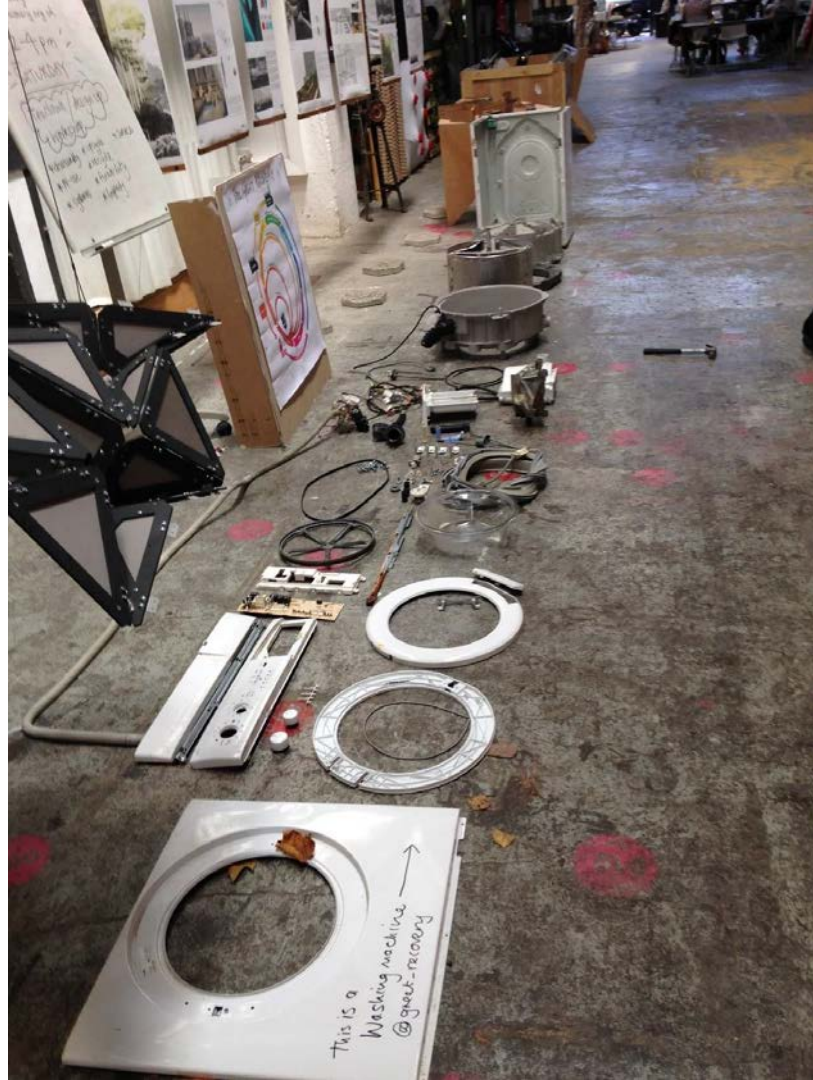
is hosting a fix it club!

Have a go at fixing and repairing your household and personal items with the help of the FabLab team!

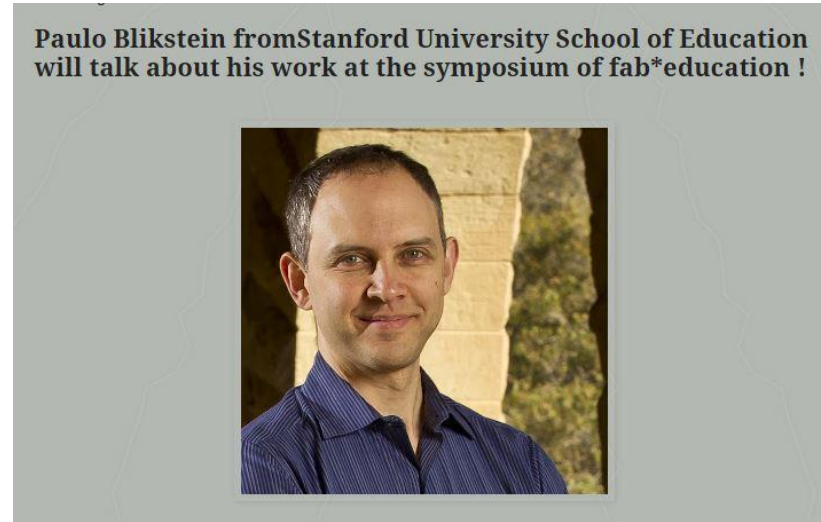
- Are you tired of throwing away broken or outdated electronics and electrical equipment?**
- Do you have something that is of importance or of value to you but needs to be repaired?**

Why not come and learn about how you can repair your items and learn what they look like while you open them up. We will look at how the item was designed and you will learn what makes these objects tick.

Endurnýting



TEDxManhattanBeach -
Paulo Blikstein - One
Fabrication Lab per School:
the FabLab@School project



<https://www.youtube.com/watch?v=yLhfpDAniqM&feature=youtu.be>

IF YOU
LET THEM
BUILD IT,
THEY
WILL
LEARN!

Laura Fleming