



Amsterdam University
of Applied Sciences

DIGITAL SOCIETY SCHOOL

Carlo De Gaetano, Tamara Pinos
Cisneros, Emma Beauxis-Aussalet

Conversational Objects



Check in!

2 truths + 1 lie about yourself

=

3 x information



Mirror Centre



Urban Room



Innovation Lab



Kohnstammzaal

Tuesday

13:00 - 14:00

Introduction to the Makersprint

14:00 - 15:15

Brainstorm: Data Jam, ecology,
perspective -> ideas!

15:15 - 16:30

Show concepts (with DTDs)
Draw sketches

16:30 - 17:30

Show plan, make list of materials and
tools
Collect material and divide teams

Wednesday

9:30 - 9:45

All teams meet and review their plan

9:45 - 12:30

Make/Program!

12:30 - 13:00

Lunch

13:00 - 16:30

Make/Program!

16:30- 17:00

All teams meet and check evolution
of the process

Thursday

9:30 - 13:00

Refine prototypes

13:30 - 16:30

Prepare expo

16:30

Starts Expo

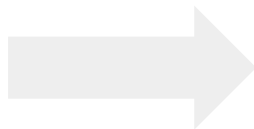


Making *as* Research





Making
as
Research



Making to **diverge**



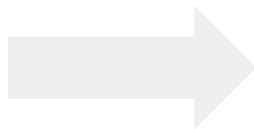
Making to **discuss**



Making to **confirm**



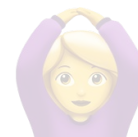
Making
as
Research



Making to **diverge**

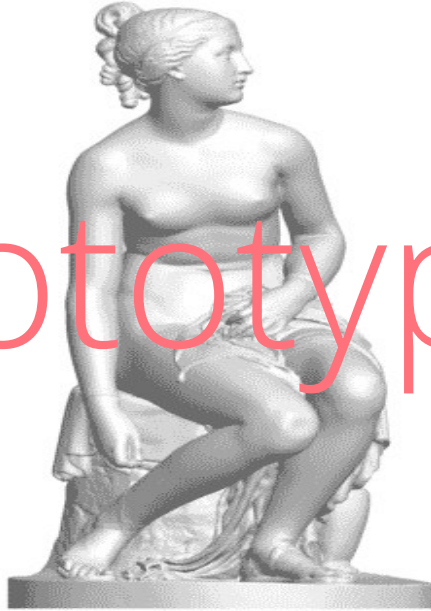


Making to **discuss**

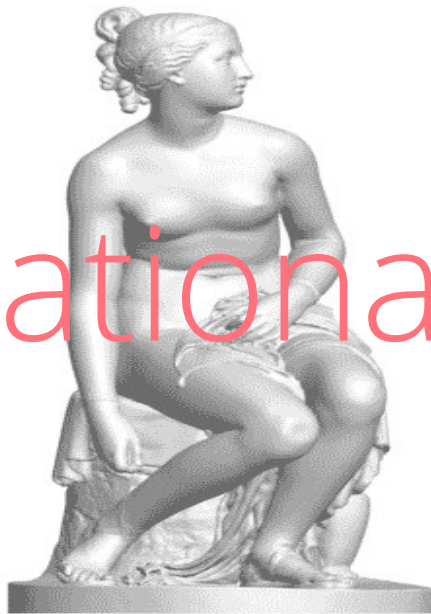


Making to **confirm**

Prototype?



— an early sample, model or release of a product, build **to test** a concept or process, or to act as a thing to be replicated **or learned from**.



Conversational object?



Foster brainstorm



Show perspectives

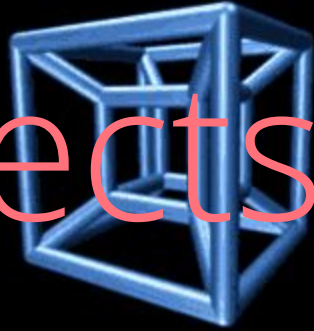


Find tension



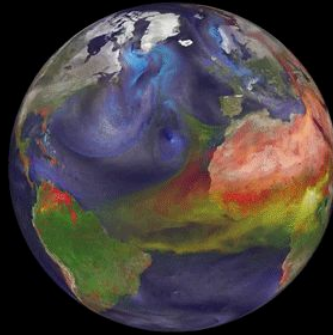
Unearth assumptions

Conversational
objects for
complex problems



Interdependent and multi-causal

Many things affect and are affected by the problem and are related to one another



Unclear boundaries

The reach of the issue is too vast to be delimited clearly

No evident solution

If there is an agreement on the problem, there is still a debate on its solutions

Unforeseen outcomes

We can only make calculated, non-definitive assumptions







Stay with the problem!





Stay with the problem!



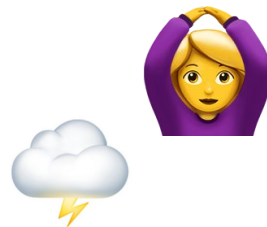
Makersprint?

You will make a tangible/digital Conversational Object.

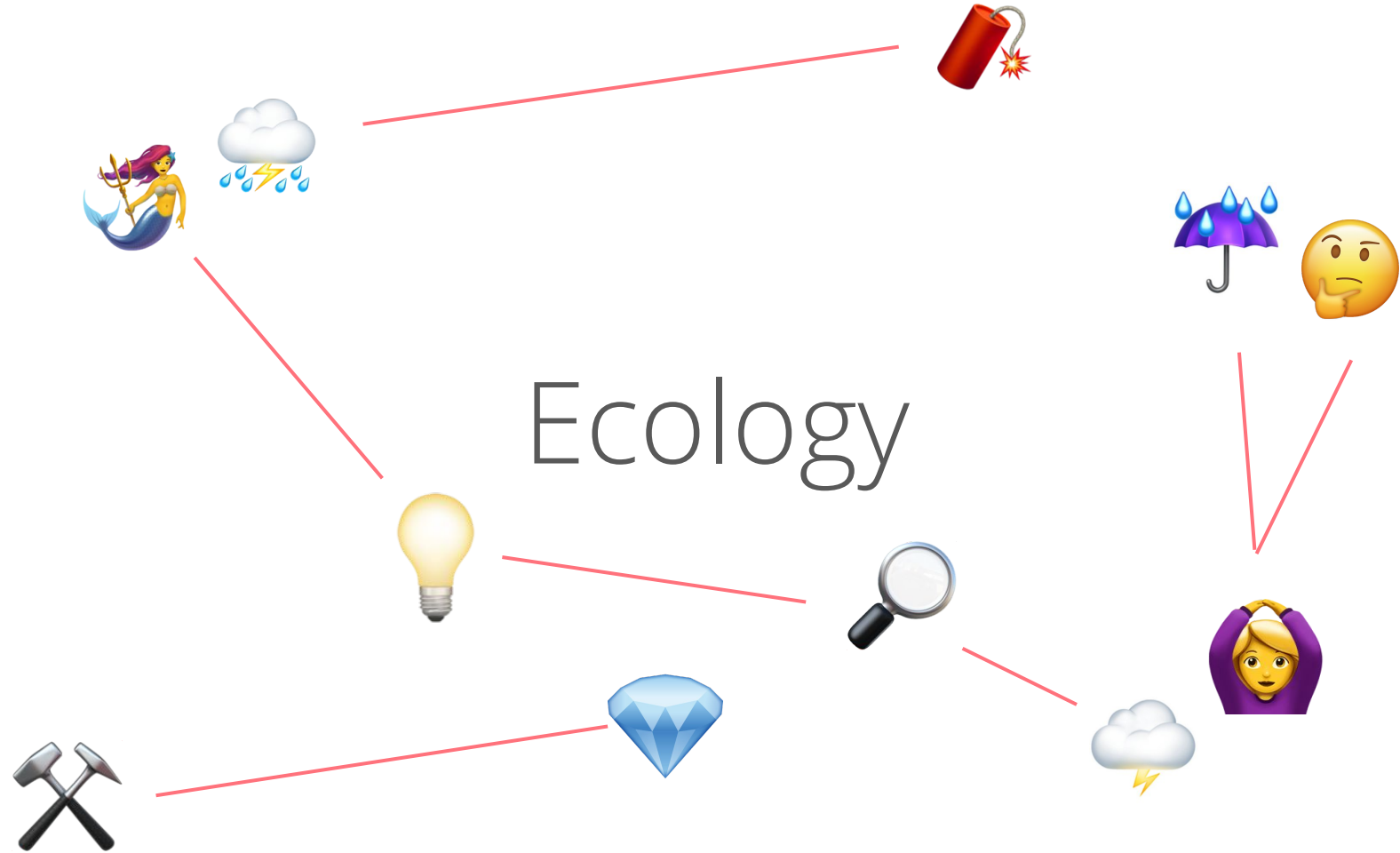
Often teams only *create* design artefacts as part of proposed solutions. This sprint is to experience that design artefacts can also help in **understanding the problem**, as part of the research.

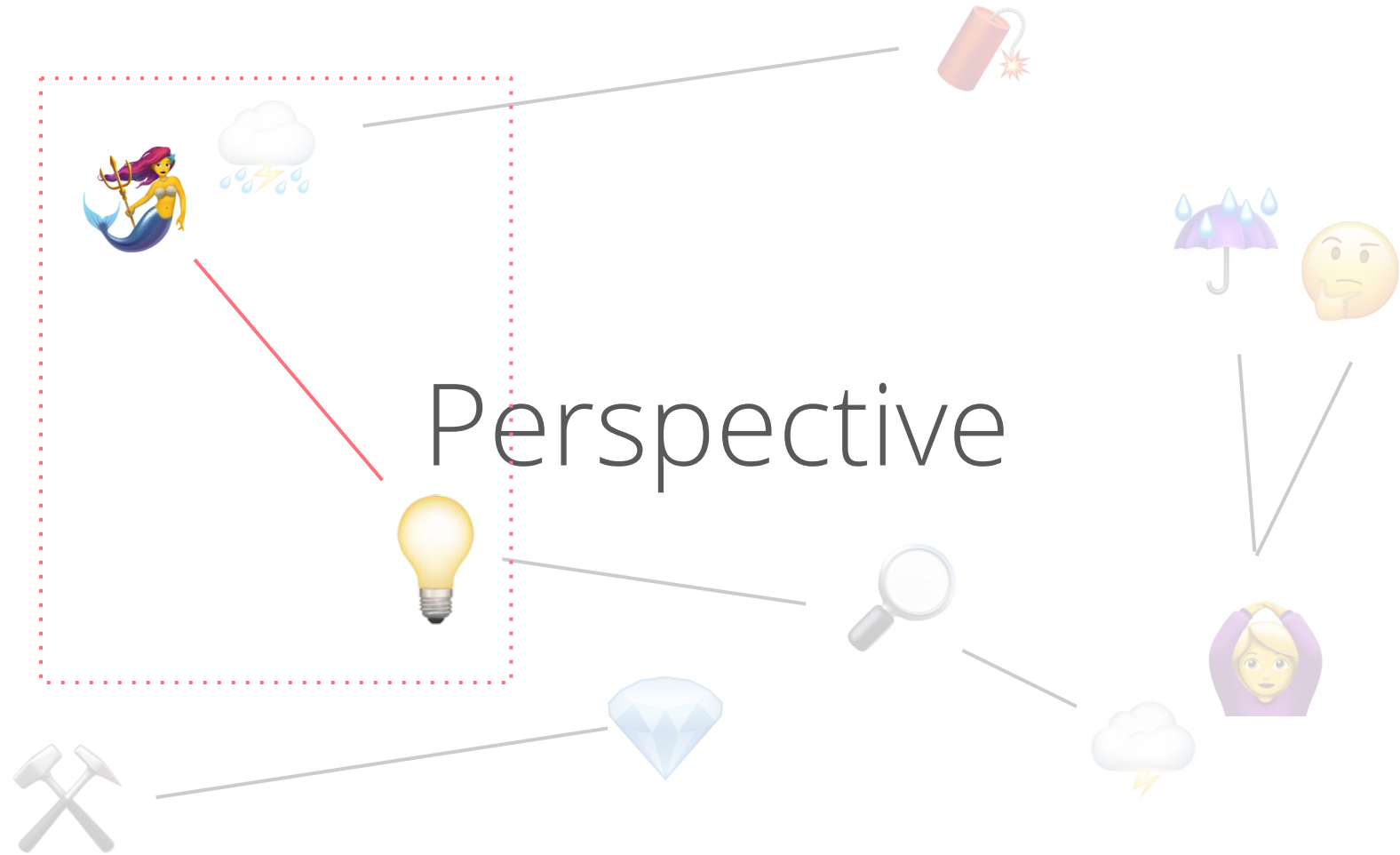


Data jamming



Ecology





Ingredients for conversational objects

Paradoxes
Exaggerations
Uncertainties
Humor
Speculation
Science Fiction



Data Physicalisation

Let's clean up the climate! One gigaton at a time...

What is your role in preventing climate change?

Remove a carbon card from the board and replace it with your business card to become part of our network.

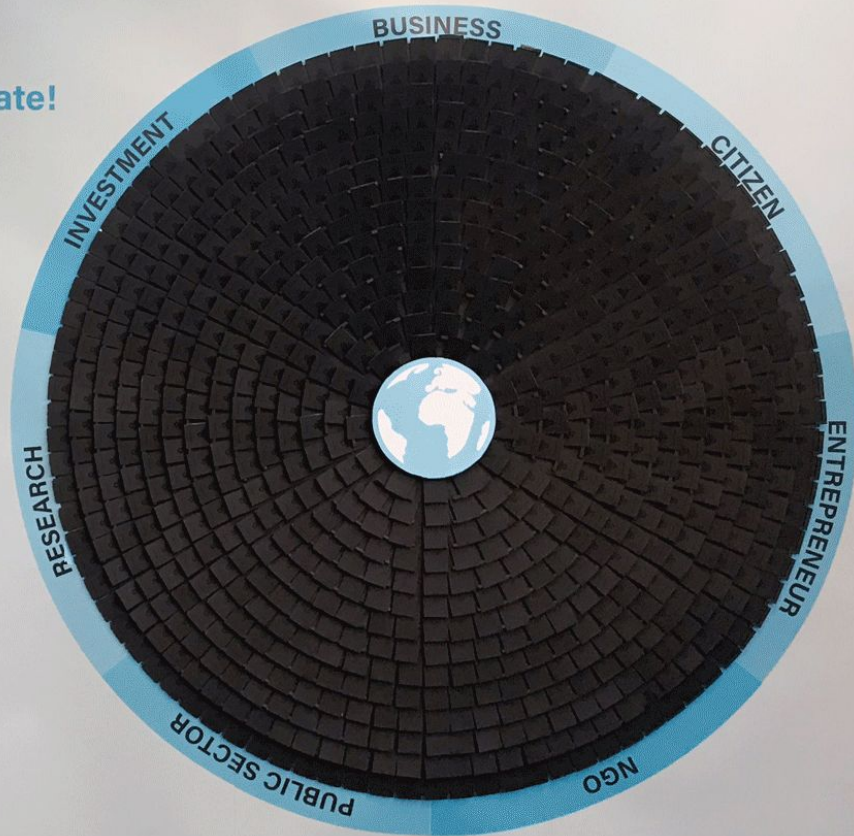
Climate Cleanup

Climate Cleanup plans to reverse climate change by stopping emissions and taking carbon dioxide out of the air. Climate solutions need to be both scalable and sustainable: the challenge is enormous, and solutions that are financially viable will develop more swiftly. The goal is to create a network of committed people that can make these solutions work and start acting now.

How do we remove 1500 gigatons of carbon dioxide?

The technology to remove and store considerable amounts of carbon dioxide from the atmosphere already exists. To meet the target of removing 1500 gigatons of carbon dioxide this century we need to continue to find ways to scale-up these technologies through continued research and investment. We can reach this goal if we act now.

Join the movement at
www.climatecleanup.org



Performances

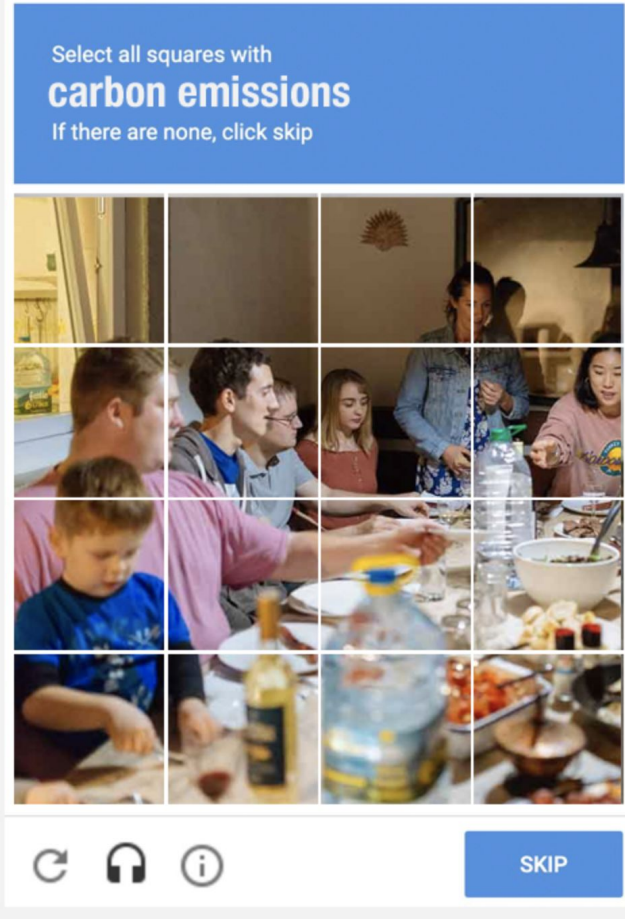
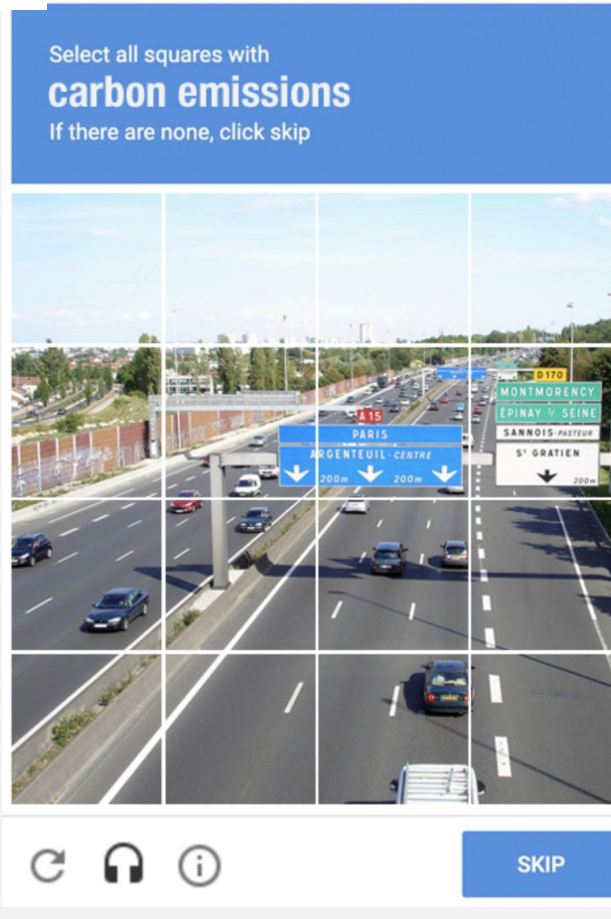


#wastefitness - Jij maak de stad 2018

Speculative digital objects

Carbon Recaptcha

Rather than exploiting human cognition to covertly train the digitisation projects of Google Books and Google Self Driving Car initiatives, *Carbon ReCAPTCHA* attempts to untangle the knotty technical and moral complexities of defining sources of carbon emissions. Is a t-shirt a source of carbon emission? How about an asphalt road? Or a child? Is the charging electric car exempt and the parked petrol car guilty or vice-versa?



<https://imaginationofthings.com/>



**What if night australian was
a bacteria ?**

Imagination of things is a design fiction studio

This website is an experiment that takes the most viewed news (Google News API) and articulates it as a “what if” speculation using a simple algorithm which combines it with ideas and concepts that inspire our practice.

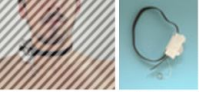


Photo credit: Gunnar Green

Call Me, Choke Me

Gunnar Green (German, born 1978) Design Interactions Department (est. 1989) Royal College of Art (UK, est. 1837)

2008

[about this project](#)

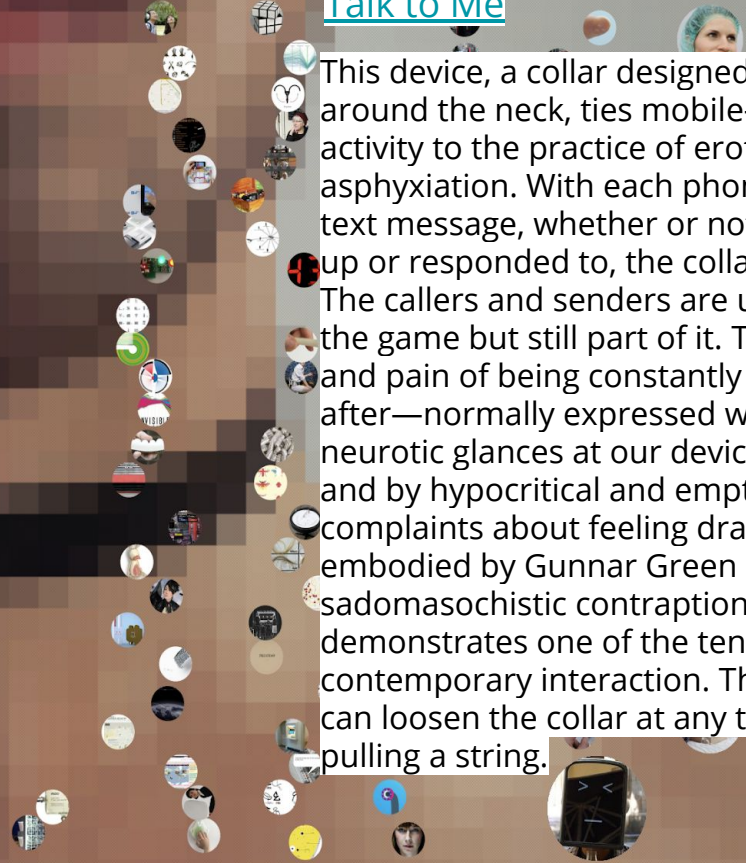
[tweets](#) [#ttmchokeme](#)

Category: [Bodies](#)

Tags: [Communications](#) / [Interfaces](#) / [Critical Design](#)

Talk to Me

This device, a collar designed to be worn around the neck, ties mobile-phone activity to the practice of erotic asphyxiation. With each phone call or text message, whether or not it is picked up or responded to, the collar tightens. The callers and senders are unaware of the game but still part of it. The pleasure and pain of being constantly sought after—normally expressed with frequent neurotic glances at our device screens and by hypocritical and empty complaints about feeling drained—are embodied by Gunnar Green in a sadomasochistic contraption that subtly demonstrates one of the tenets of contemporary interaction. The wearer can loosen the collar at any time by pulling a string.



LESS

Showing 87 of 87 connections

MORE



Follow

concepts bot

@conceptsbot

a bot that gives you various ideas. it talks back to you. by @kloseum

📍 earth 🔗 curiouscat.me/conceptsbot 📅 Joined August 2016

489 Following 53.8K Followers

Tweets

Tweets & replies

Media

Likes



concepts bot @conceptsbot · 31m

hello, write a book about a wave and forget all problems

💬 2

↻ 22

❤ 97



concepts bot @conceptsbot · 3h

okay, meet a dog in the sky

💬 7

↻ 24

❤ 94



concepts bot @conceptsbot · 6h

hello friend, listen to her voice tomorrow

💬 6

↻ 90

❤ 380

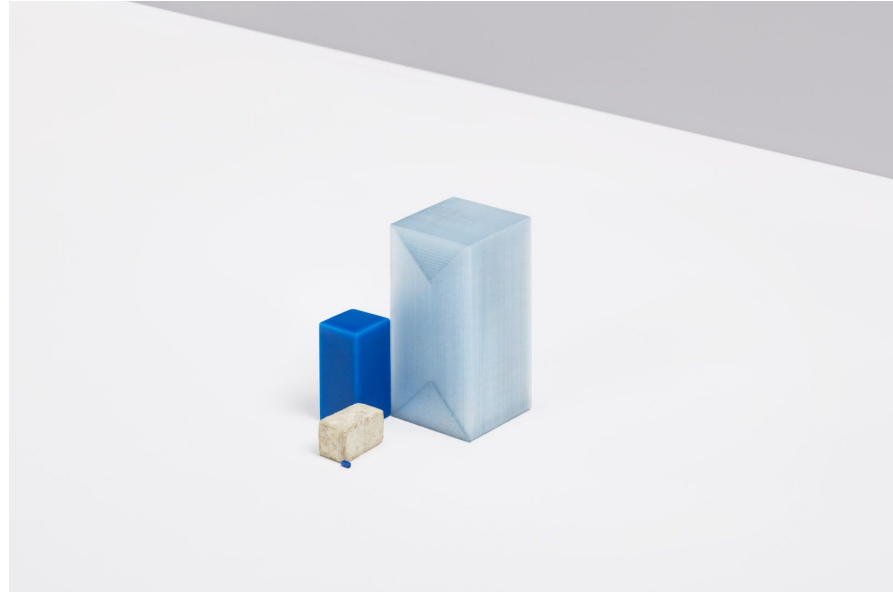


<https://twitter.com/conceptsbot>

A bot that gives you various ideas.
It talks back to you!

MATERIALISM

A SCULPTURE ON REVERSED ENGINEERING



Flylight

Studio Drift

Flylight is a site-specific art installation that directly interacts with its surroundings. The light mimics the behaviour of a flock of birds in flight, symbolizing the conflict between the safety of the group and the freedom of the individual.

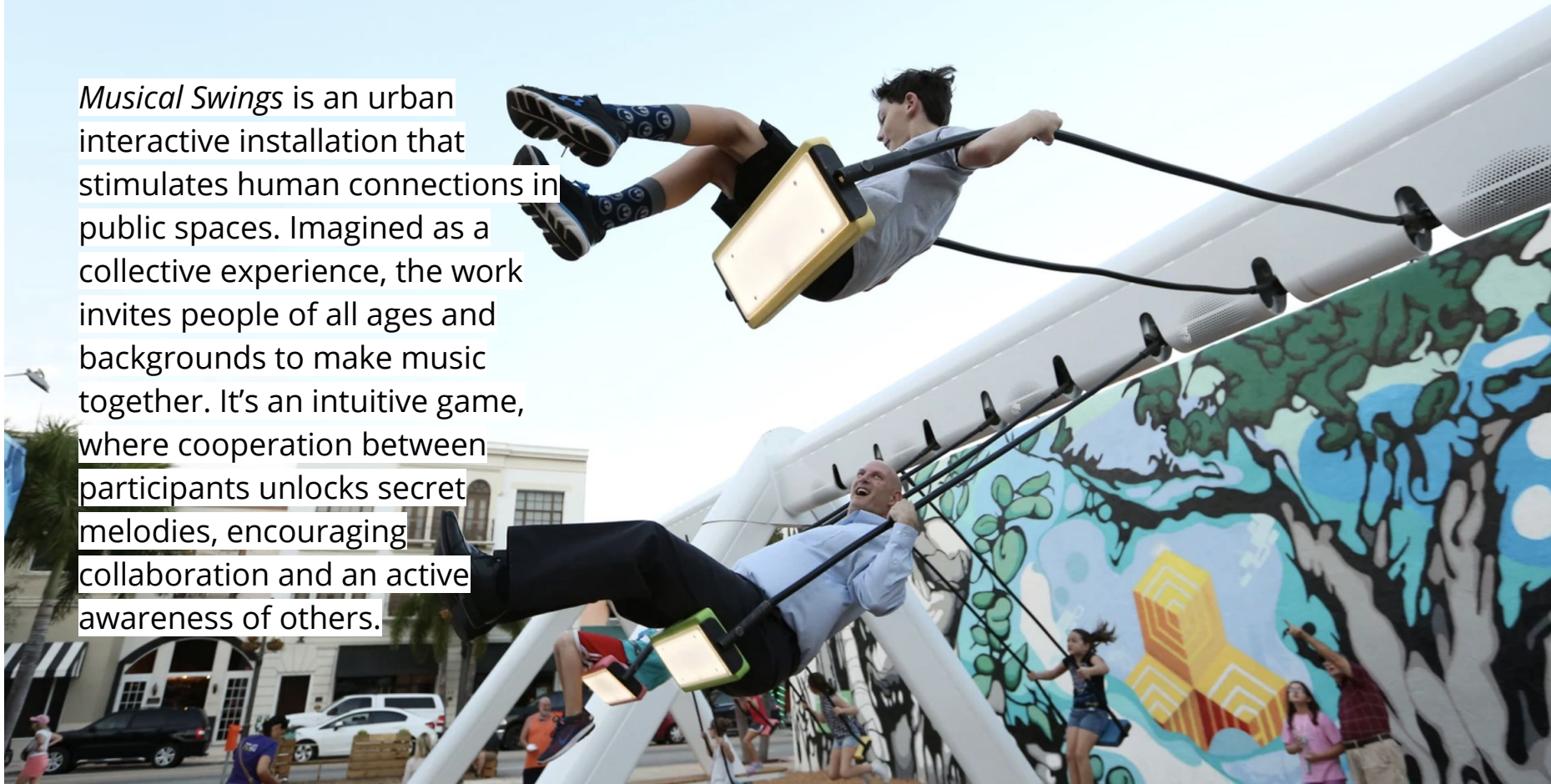


[EquiTable app](#)

When it's time to split the bill, EquiTable helps you avoid the entrenched discrimination that exists in our society. It doesn't split the bill equally—it splits it equitably. You pay what you should to balance out the wage gap.



Musical Swings is an urban interactive installation that stimulates human connections in public spaces. Imagined as a collective experience, the work invites people of all ages and backgrounds to make music together. It's an intuitive game, where cooperation between participants unlocks secret melodies, encouraging collaboration and an active awareness of others.



Objective Realities is series of VR experiences that change the perspective from a human point of view to the one of an object. In OR you will be able to see and act in a virtual smart home with the capabilities and limitations of a specific object and listen to the invisible chatter that happens between networked things and the home.





<https://www.unnecessaryinventions.com/>

Digital tools

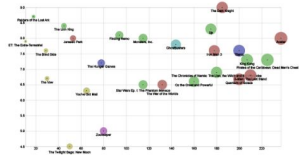
<https://app.rawgraphs.io/>

<https://app.rawgraphs.io/>

Choose a Chart



Dispersion



A scatter plot, scatterplot, or scattergraph is a type of mathematical diagram using Cartesian coordinates to display values for two variables for a set of data. The data is displayed as a collection of points, each having the value of one variable determining the position on the horizontal axis and the value of the other variable determining the position on the vertical axis. This kind of plot is also called a scatter chart, scattergram, scatter diagram, or scatter graph.

Contour Plot
Dispersion



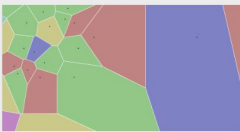
Convex Hull
Dispersion



Hexagonal Binning



Scatter Plot Dispersion

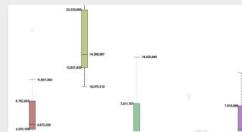


Voronoi Tessellation

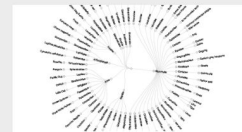
Dispersion



Beeswarm Plot Distribution



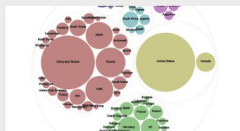
Box plot
Distribution



Circular Dendrogram
Hierarchy



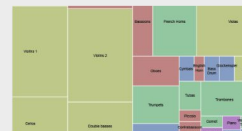
Cluster Dendrogram



Circle Packing
Hierarchy (weighted)



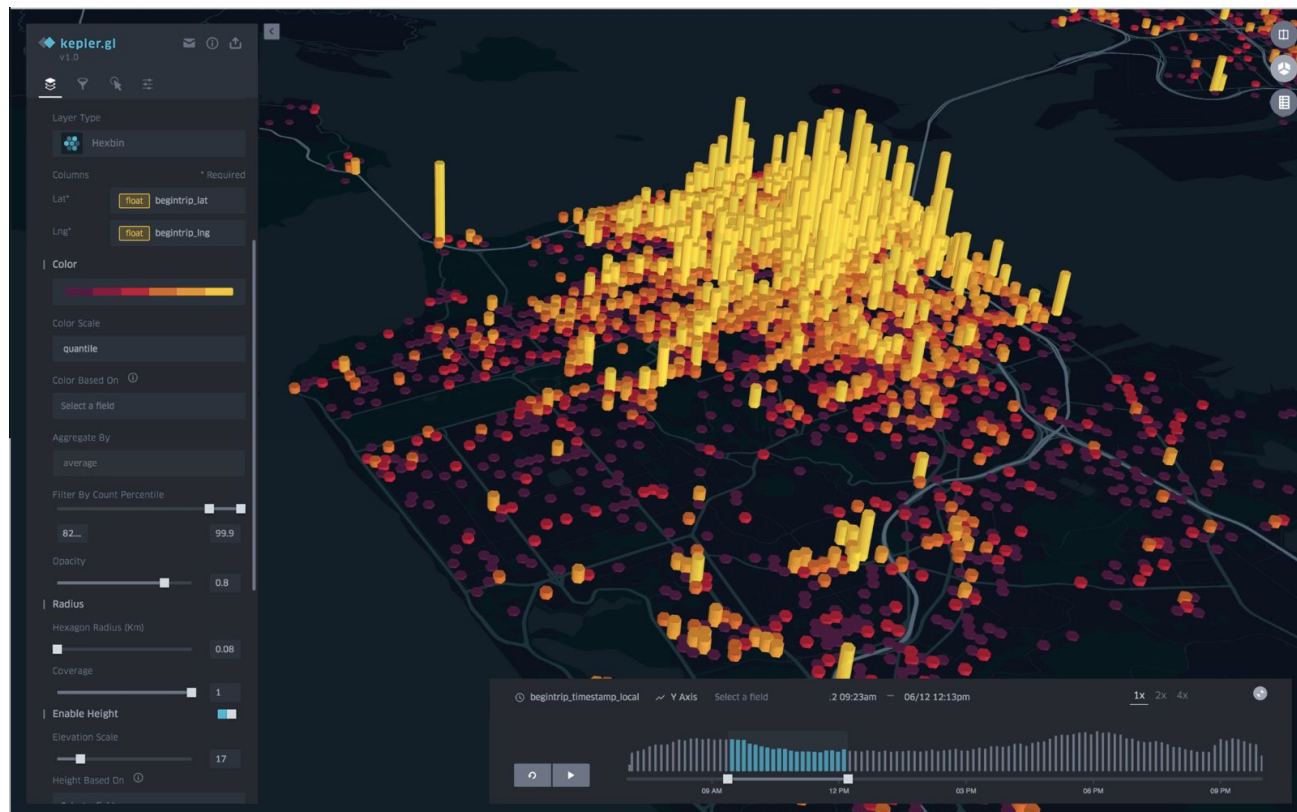
Sunburst
Hierarchy (weighted)



Treemap
Hierarchy (weighted)

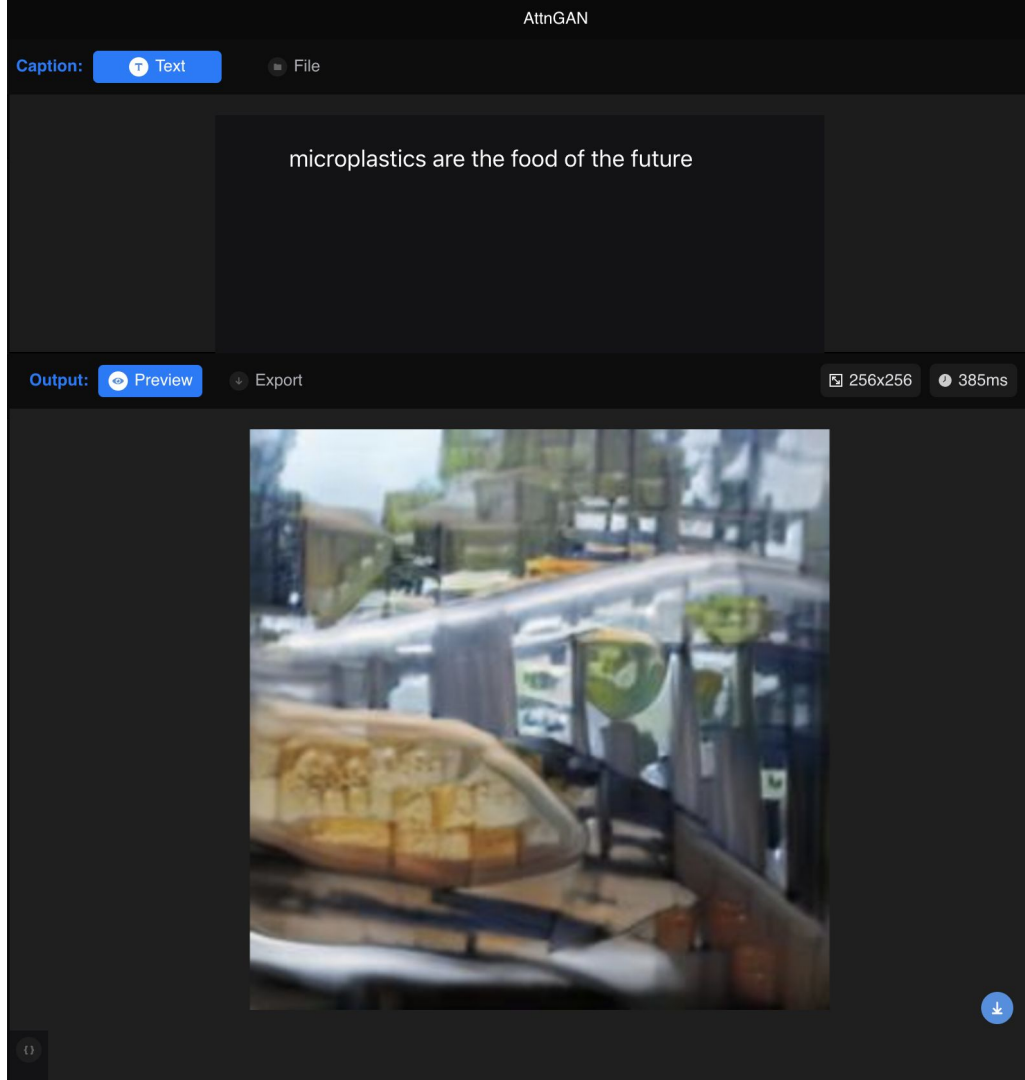
Kepler

<https://kepler.gl/>



Runway ML

<https://runwayml.com/>



Vectr

<https://vectr.com/>

Vectr

[User Guide](#) [Tutorials](#) [More ▾](#)

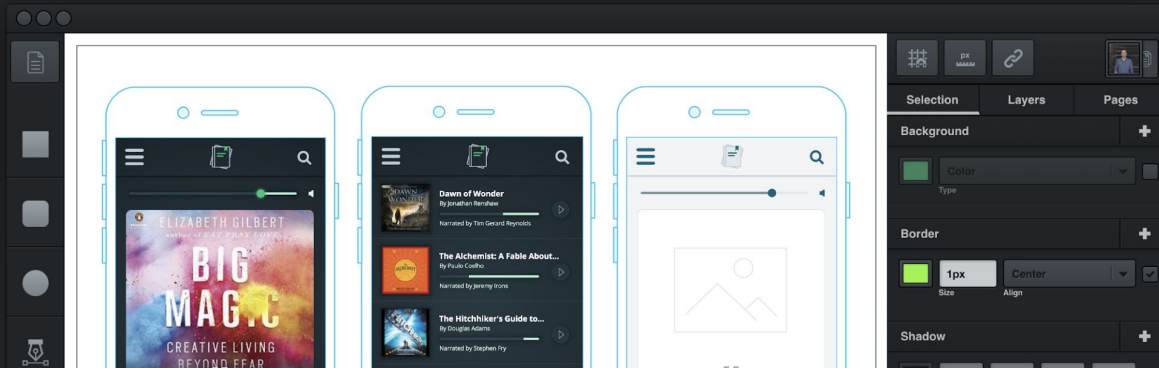
[Use Online](#)

[Login](#)

Free Vector Graphics Software

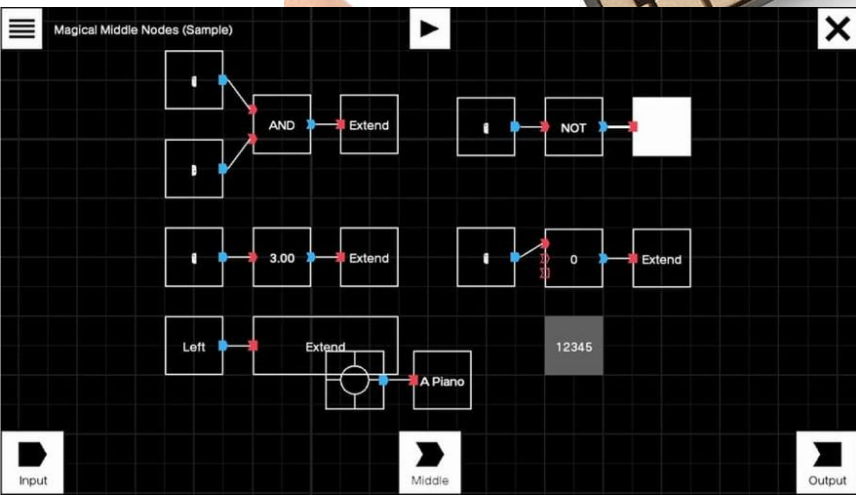
Vectr is a free graphics software used to create vector graphics easily and intuitively. It's a simple yet powerful web and desktop cross-platform tool to bring your designs into reality.

[Use Online](#)

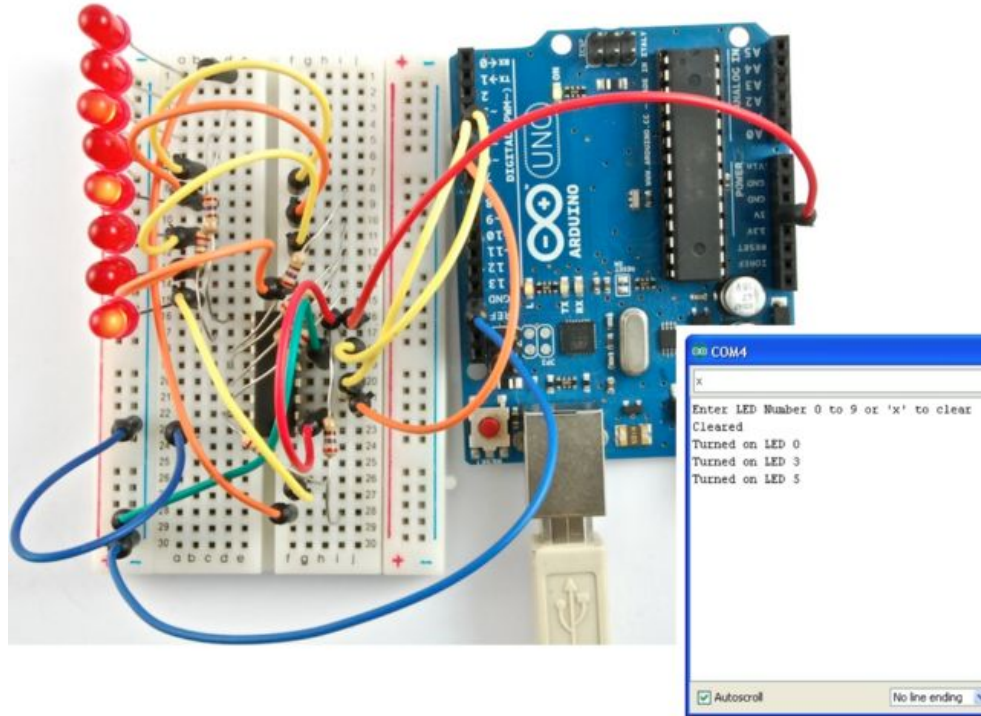


Physical/Digital tools

Nintendo Switch

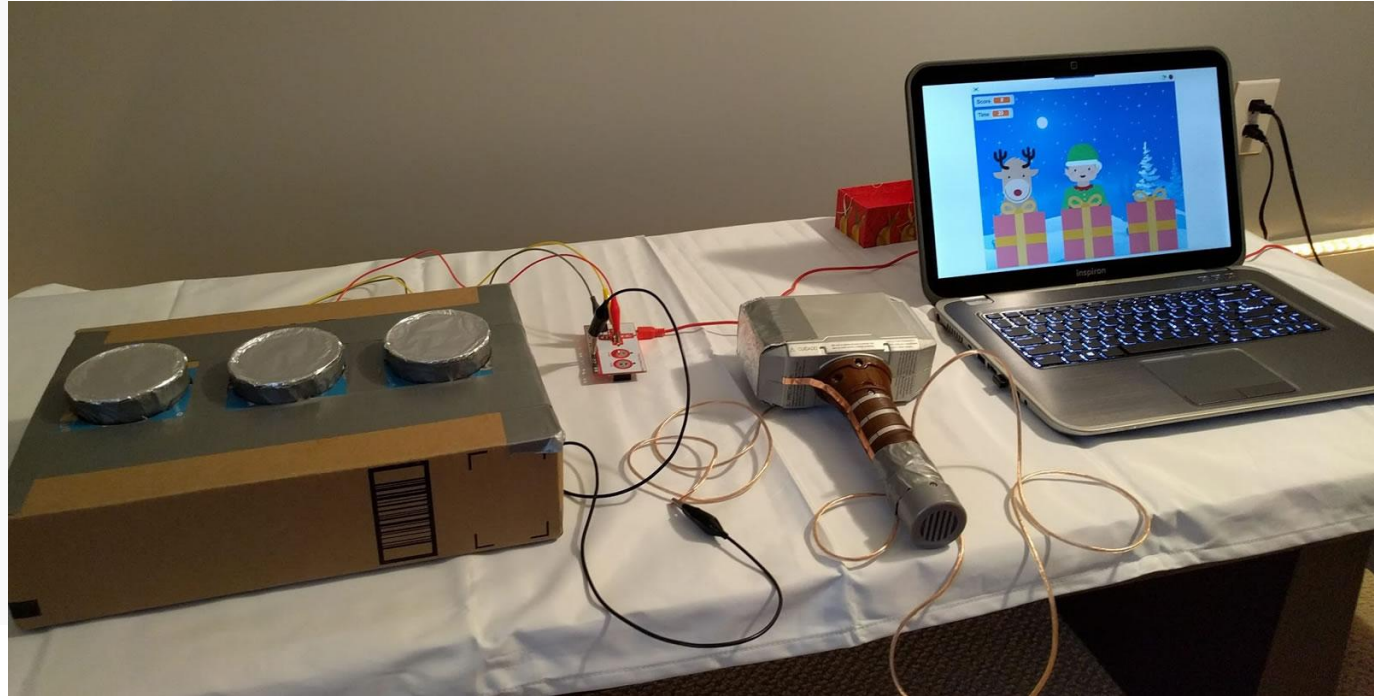
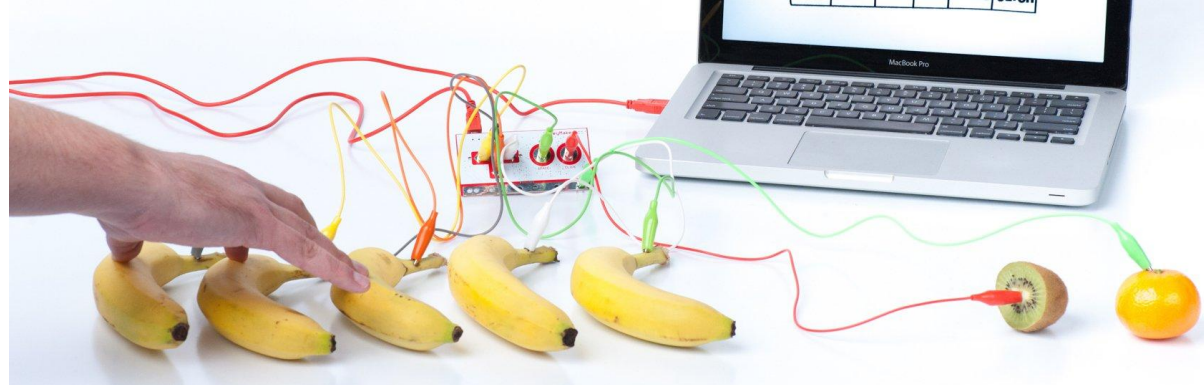
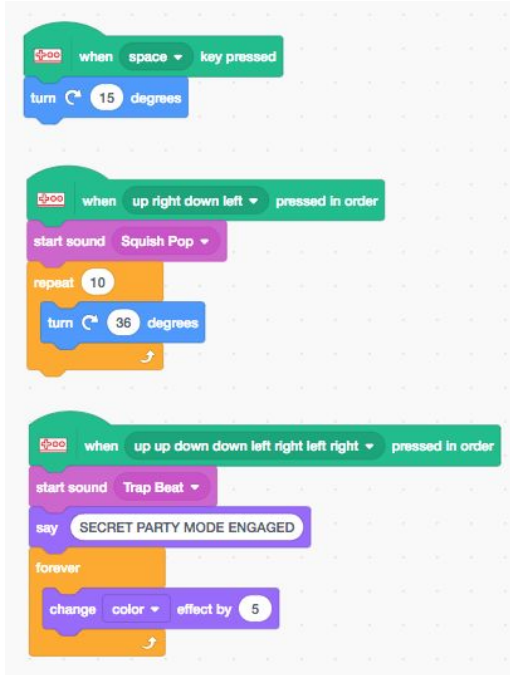


Arduino

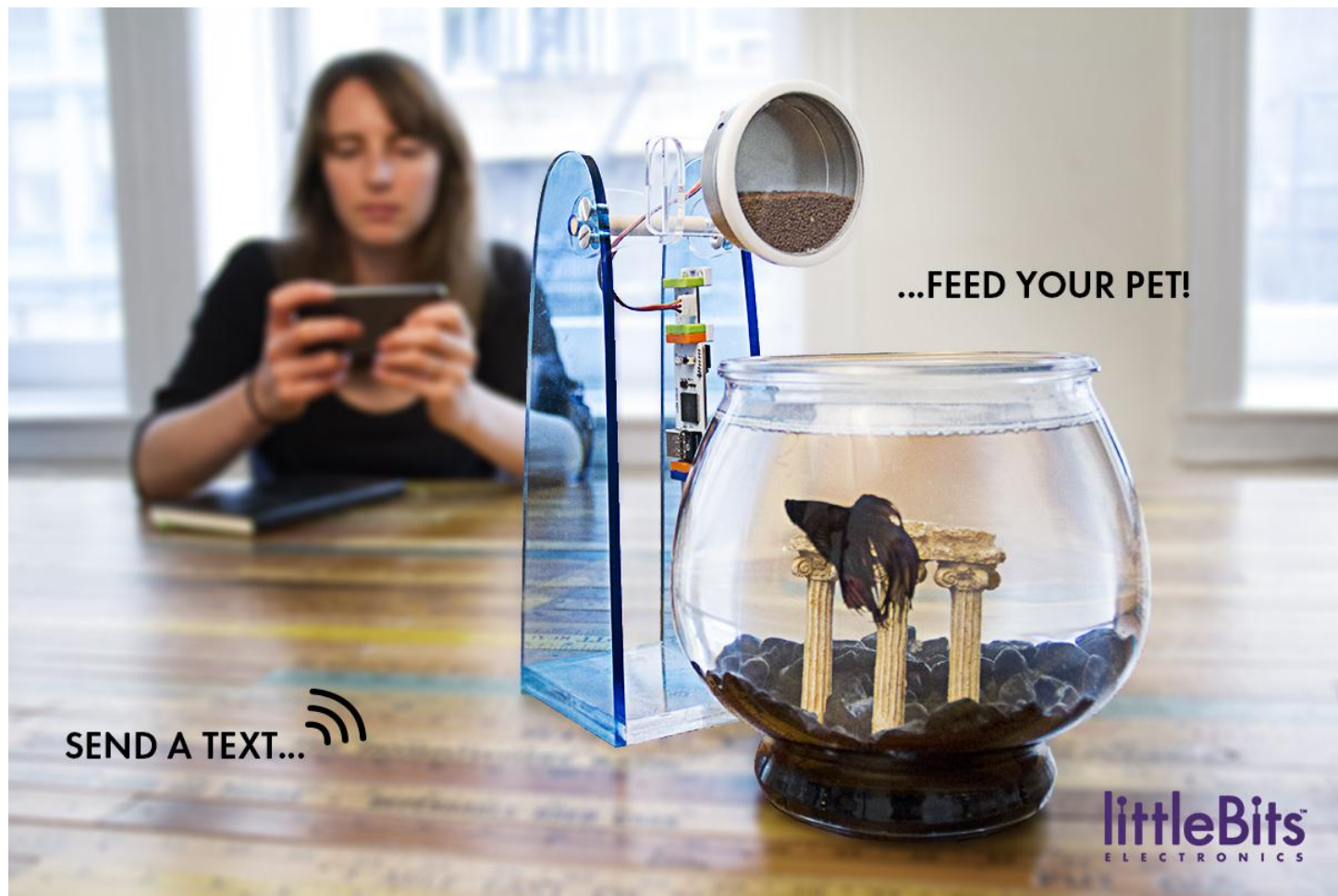


MakeyMakey

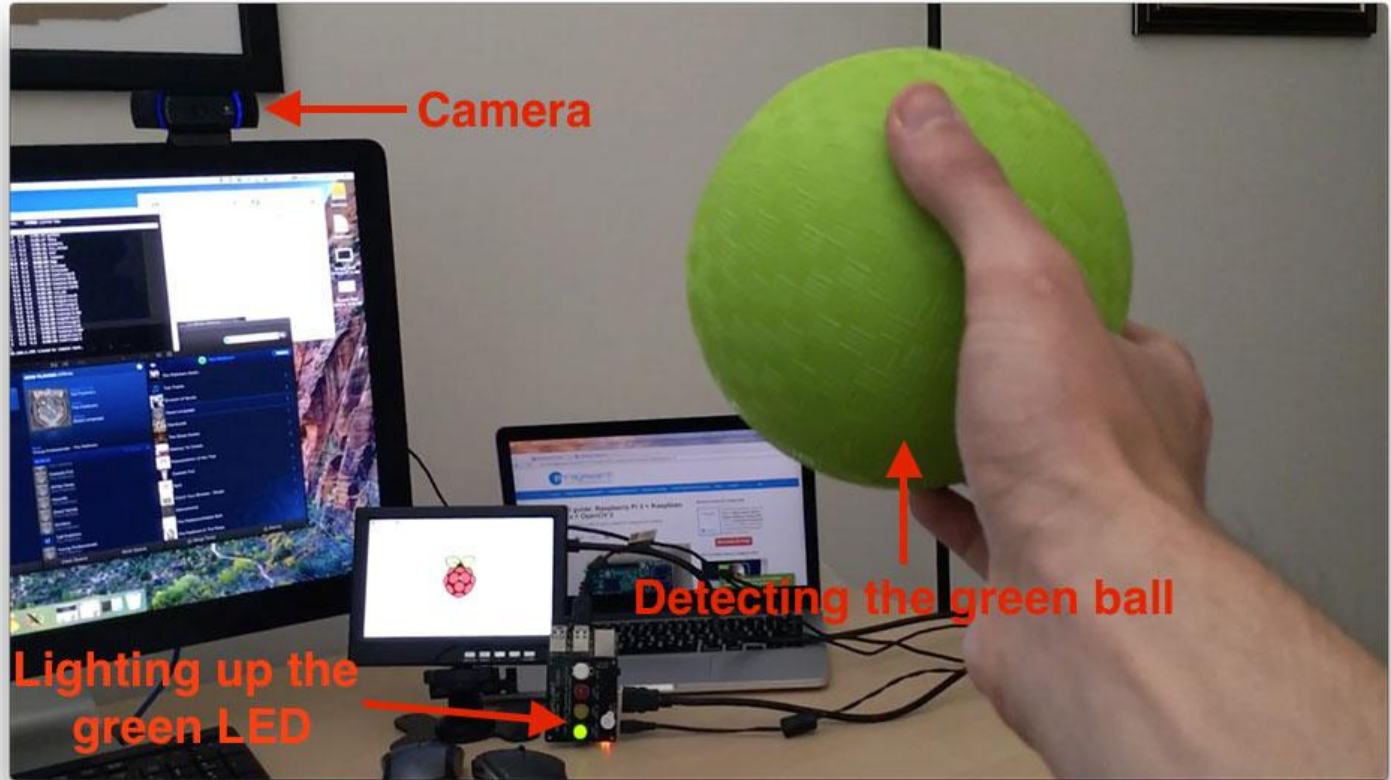
Piano



LittleBits



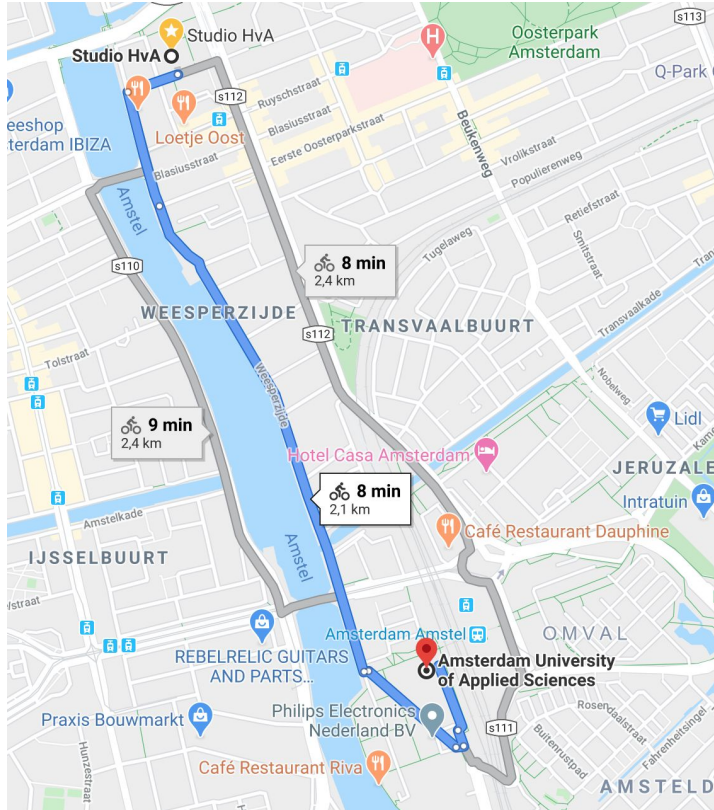
Raspberry Pi



Physical tools

Innovation Lab

Amstel Campus - Leeuwenburg
Kammers D-101 - D-120 (basement)



Laser cutter



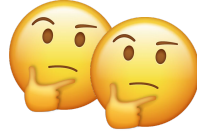
3D printer



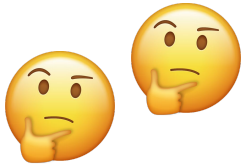
Vacuum Former







In what way does your
thing call for a discussion?





Mirror Centre



Urban Room



Innovation Lab



Kohnstammzaal

Tuesday

13:00 - 14:00

Introduction to the Makersprint

14:00 - 15:15

Brainstorm: Data Jam, ecology,
perspective -> ideas!

15:15 - 16:30

Show concepts (with DTDs)
Draw sketches

16:30 - 17:30

Show plan, make list of materials and
tools
Collect material and divide teams

Wednesday

9:30 - 9:45

All teams meet and review their plan

9:45 - 12:30

Make/Program!

12:30 - 13:00

Lunch

13:00 - 16:30

Make/Program!

16:30- 17:00

All teams meet and check evolution
of the process

Thursday

9:30 - 13:00

Refine prototypes

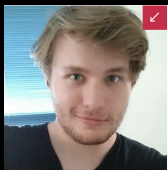
13:30 - 16:30

Prepare expo

16:30

Starts Expo

We are here to help!



Making things, 3D printing
Tamara, Ilaria, Martin



Coding
Jake



Bots
Abdo



Conv. AI
Emma



Data Viz / Data Phiz
Mick, Carlo



Arduino
Mick



Design
Stephan, Nicoleta



Pure data
Dan