selected
projects
using
resources
from
the face
control kit.

FACE CONTROL ideas book.

INDEX:

what is this?

The 'ideas book' documents a handful of ideas that implement the open source resources sited in the FACE CONTROL KIT, allowing you to control physical and digital projects with your face.

However, this is NOT A CONCLUSIVE LIST of projects you could build with the face control kit.

The kit was built to give you the means to create your own expressive interactions with the world around you and incorporate this into your own designs.

Take these ideas and make them bigger, make them tinier, make them brighter, make them more expressive, more fun, more beautiful, more ugly.
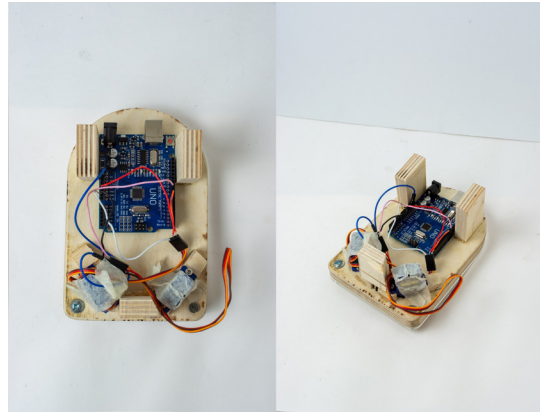
Take these ideas and MAKE THEM BETTER than we did.

Most of all, enjoy the process of making something.
– Joe, The Face Control Kit.

PHYSICAL PROJECTS
/ 1.   PINBALL

Eyebrow Controlled Pinball - using faceOSC, Puredata & Arduino.

Eyebrow Controlled Pinball is a miniature pinball machine design that uses your eyebrows to trigger the pinball paddles. FaceOSC tracks the location of your eyebrows and when they are raised above a threshold each paddle will raise and hit the ball. Made from lasercut ply, mini servos & arduino uno.
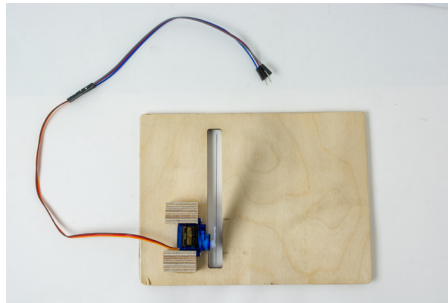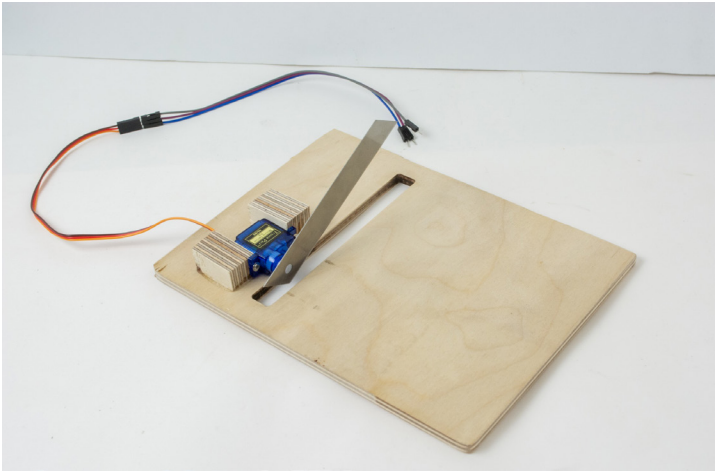
PHYSICAL
PROJECTS
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2. FRUIT SLICER

Eyebrow Controlled Fruit Slicer – using faceOSC, Puredata & Arduino.

Eyebrow Controlled Fruit Slicer is a fully functional soft fruit slicer for slicing banana, mango & other soft fruits. Using software from the Face Control Kit, plywood, mini servos, a craft knife blade & arduino. The blade will be triggered when the eyebrows are 'frowned' over a certain threshold. A good stress reliever.
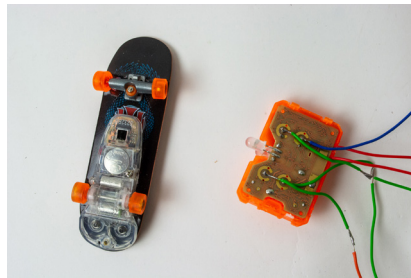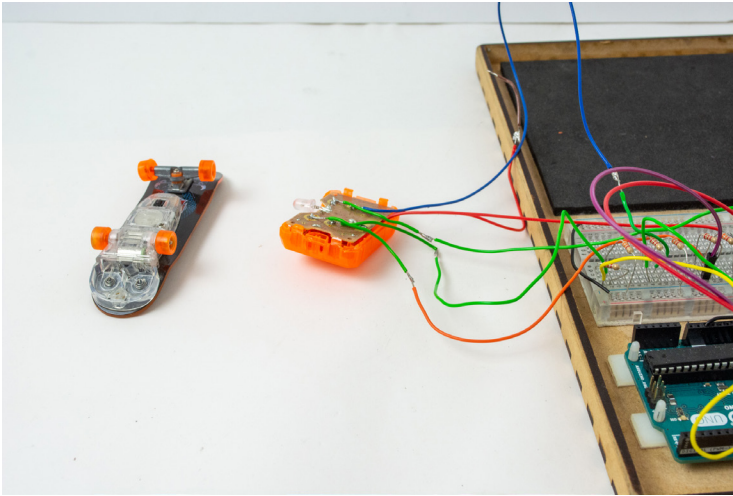
PHYSICAL PROJECTS
/ 3. SKATEBOARD

Eyebrow Controlled Skateboard - using Tony Hawk Circuit-boards RC Skateboard, Arduino & a little bit of soldering.

Eyebrow Controlled Skateboard is an arduino hack that allows you to control a miniature RC Skateboard with you're eyebrows. A 'Raise' sends it forward and a 'Frown' sends it backwards using thresholds. Although this example is specific - hacking buttons with arduino is easily replicated with any RC toy...
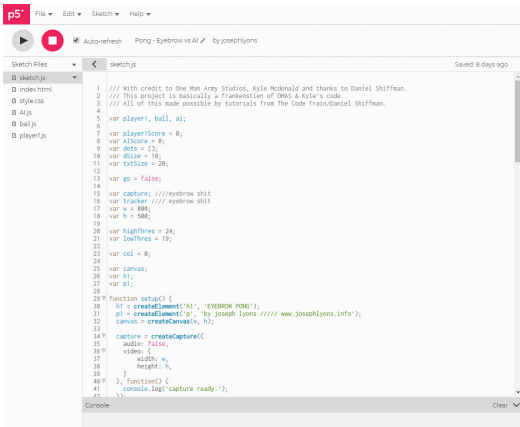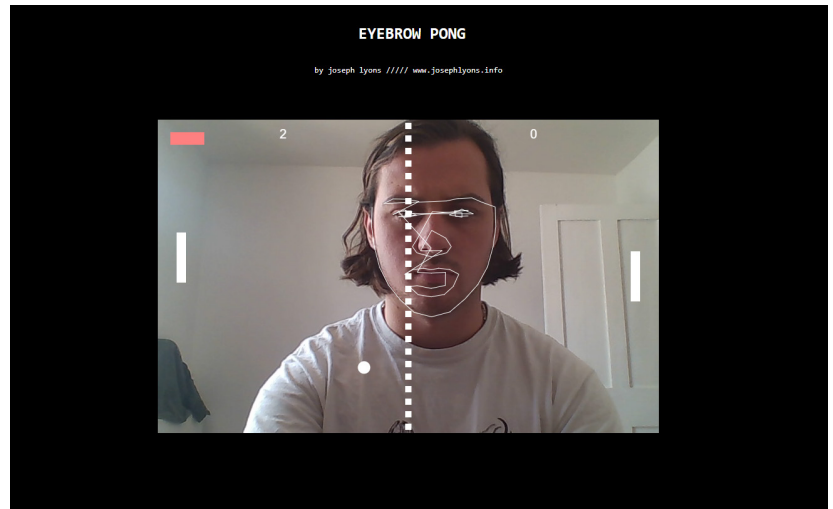
DIGITAL PROJECTS

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1. **TEMPO**

Eyebrow Tempo is a Max for Live patch which allows the user to control a Live projects tempo using their eyebrows.

Eyebrow Tempo is was made in M4L, which is an implementation of the Max/MSP visual coding environment within Ableton Live. the tool allows you to 'tap in' the tempo using the raising of your eyebrows and this is implemented within an Ableton Live project ideal for live performance of music & is a popular and high quality DAW.

DIGITAL
/ PROJECTS
2. PONG

EYEBROWPONG.COM is a fully functioning website hosting the first eyebrow controlled pong game online.

Eyebrow Pong is a javascript project that implements the p5.js libary for creating graphic and interactive projects. It is essentially a mashup of code from one man army studios & Kyle McDonalds face tracker

example using clmtrackr. It uses thresholds for 'raising' and 'frowning' to move the left paddle up & down the screen and play pong against an 'AI' computer program.

The ideas book is a source of primary ideas and concepts.

We want you to take these ideas and make them your own. Use the skills you've gathered and create more interesting & expressive examples.

We hope the ideas gave you some source of inspiration. If not, we want to see you make it better!

To see detailed documentation of the ideas & templates for beginning your own, visit the repo:

www.github.com/josephlyons/
FACE_CONTROL_DIGITAL_TOOLKIT

NEXT STEPS:

> *MAKE IT UGLY*
> *MAKE IT RETRO*
> *MAKE IT FAST*
> *MAKE IT CHEAP*
> *MAKE IT FAT*
> *MAKE IT BETTER*

/ *MAKE*
SOMETHING NEW.

as a part of the face control kit

FACE CONTROL ideas book.