

daydreamer

by

emre sardogan

day • dream

what is it?

A dreamlike
musing or
fantasy while
awake,
especially of
the
fulfillment of
wishes or
hopes.

benefits
of
daydreaming

research

- Mind wandering promotes creativity.
- Better working memory
- Empathy
- Consolidates learning
- Lowers the blood pressure

red = physical

“Red is strong, and very basic. Pure red is the simplest colour, with no subtlety. It is stimulating and lively, very friendly. At the same time, it can be perceived as demanding and aggressive.”

psychology
of
color

orange = adventure

“Since it is a combination of red and yellow, orange is stimulating and reaction to it is a combination of the physical and the emotional. It focuses our minds on issues of physical comfort – food, warmth, shelter etc. – and sensuality.”

green = balance

“Green strikes the eye in such a way as to require no adjustment whatever and is, therefore, restful. Being in the centre of the spectrum, it is the colour of balance.”

research

yellow = emotional

“The yellow wavelength is relatively long and essentially stimulating. In this case the stimulus is emotional, therefore yellow is the strongest colour, psychologically. The right yellow will lift our spirits and our self-esteem; it is the colour of confidence and optimism”

blue = intellectual

“Blue is the colour of the mind and is essentially soothing; it affects us mentally, rather than the physical reaction we have to red. Strong blues will stimulate clear thought and lighter, soft blues will calm the mind and aid concentration. Consequently it is serene and mentally calming.

sources;

empower-yourself-with-color-psychology.com

<http://www.colour-affects.co.uk/research>

violet = spiritual

“The shortest wavelength is violet, often described as purple. It takes awareness to a higher level of thought, even into the realms of spiritual values. Being the last visible wavelength before the ultra-violet ray, it has associations with time and space and the cosmos.”



research

- Where do we see specific color schemes?
- Relationship between Natural lights + colors + feelings
- Organic objects and reality
- Colors of Nature x Human
- Expected feelings from mainstream natural events

color
and
feelings

color combinations

green + blue + purple
(spirituality)

yellow + orange
(creativity)

red + orange
(energy)

navy + blue
(loneliness)

yellow + orange (creativity) fall

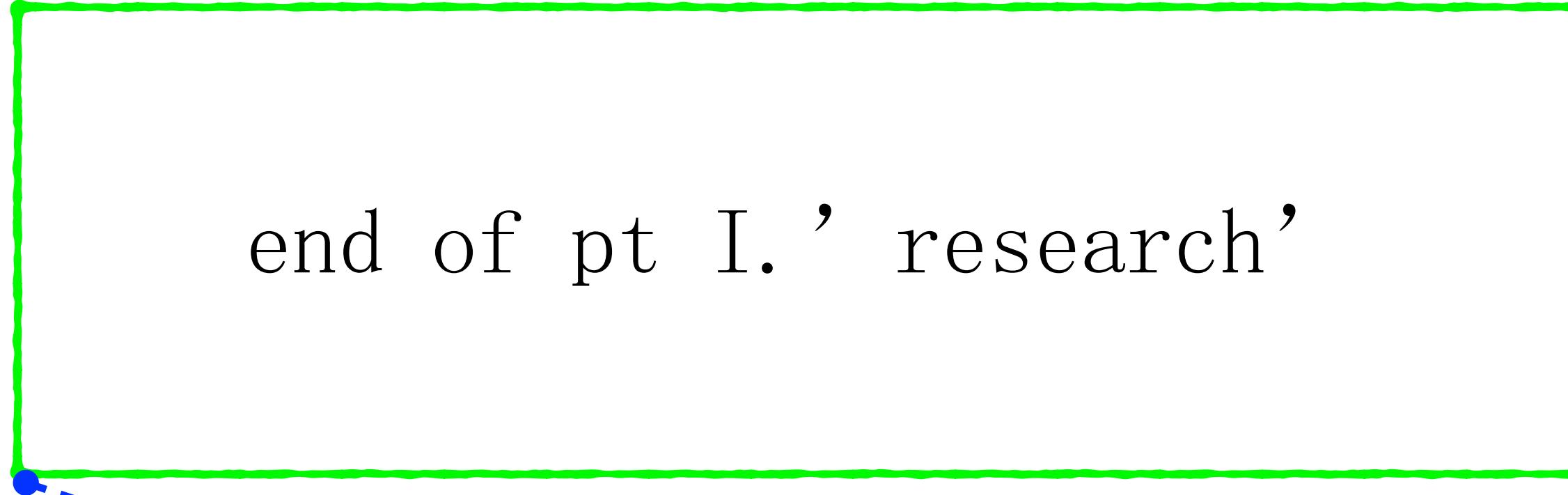


navy + blue (anxiety) foggy forest road

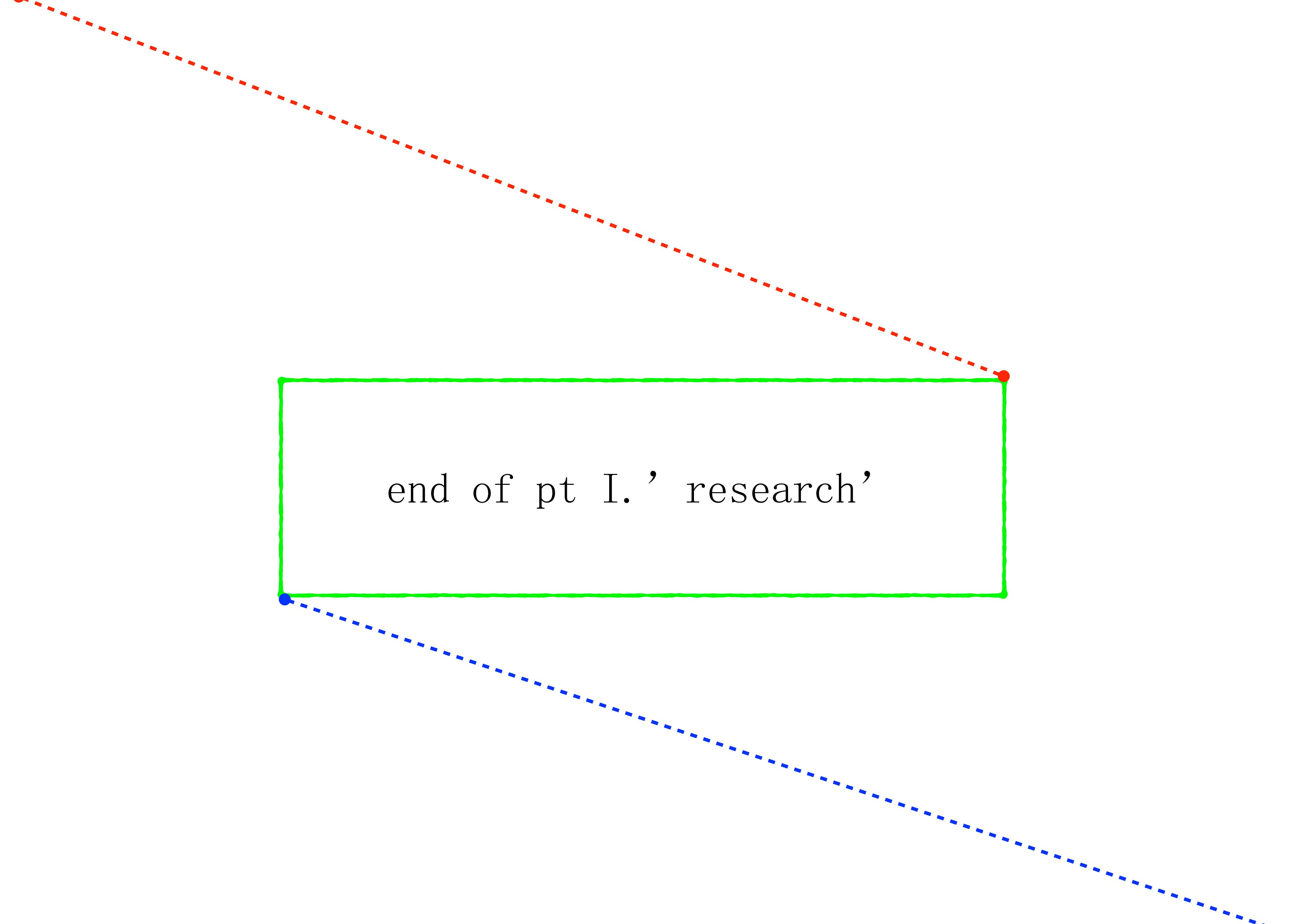
green + blue + purple
(spirituality)
northern lights



red + orange (energy) nyc sunset



end of pt I.' research'





by

emre sardogan

- Create an organic product.
- It has to be bright enough in order to create a realistic atmosphere.
- Voice control connection.
- Body interaction
- Vibration sense

research

materials

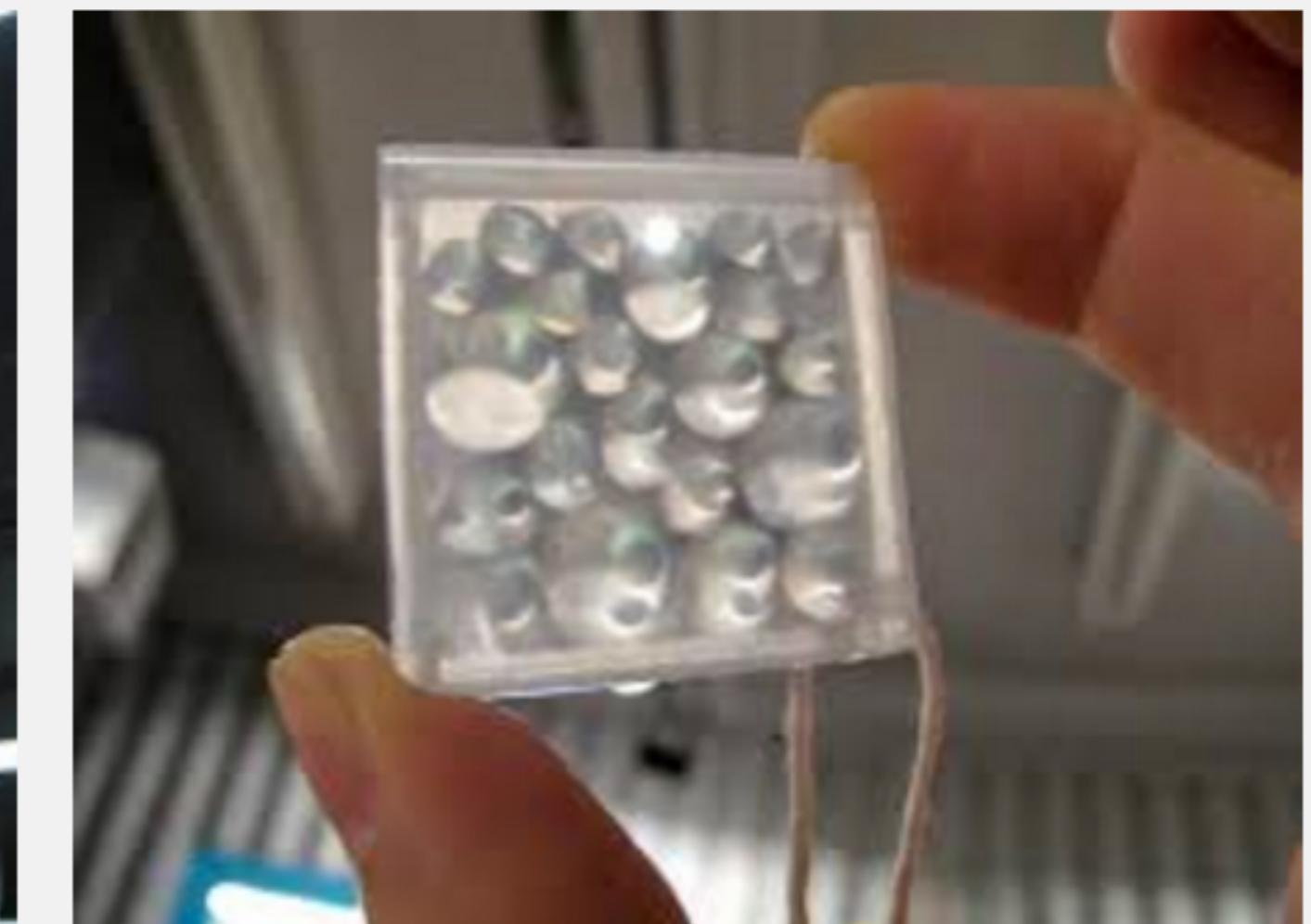
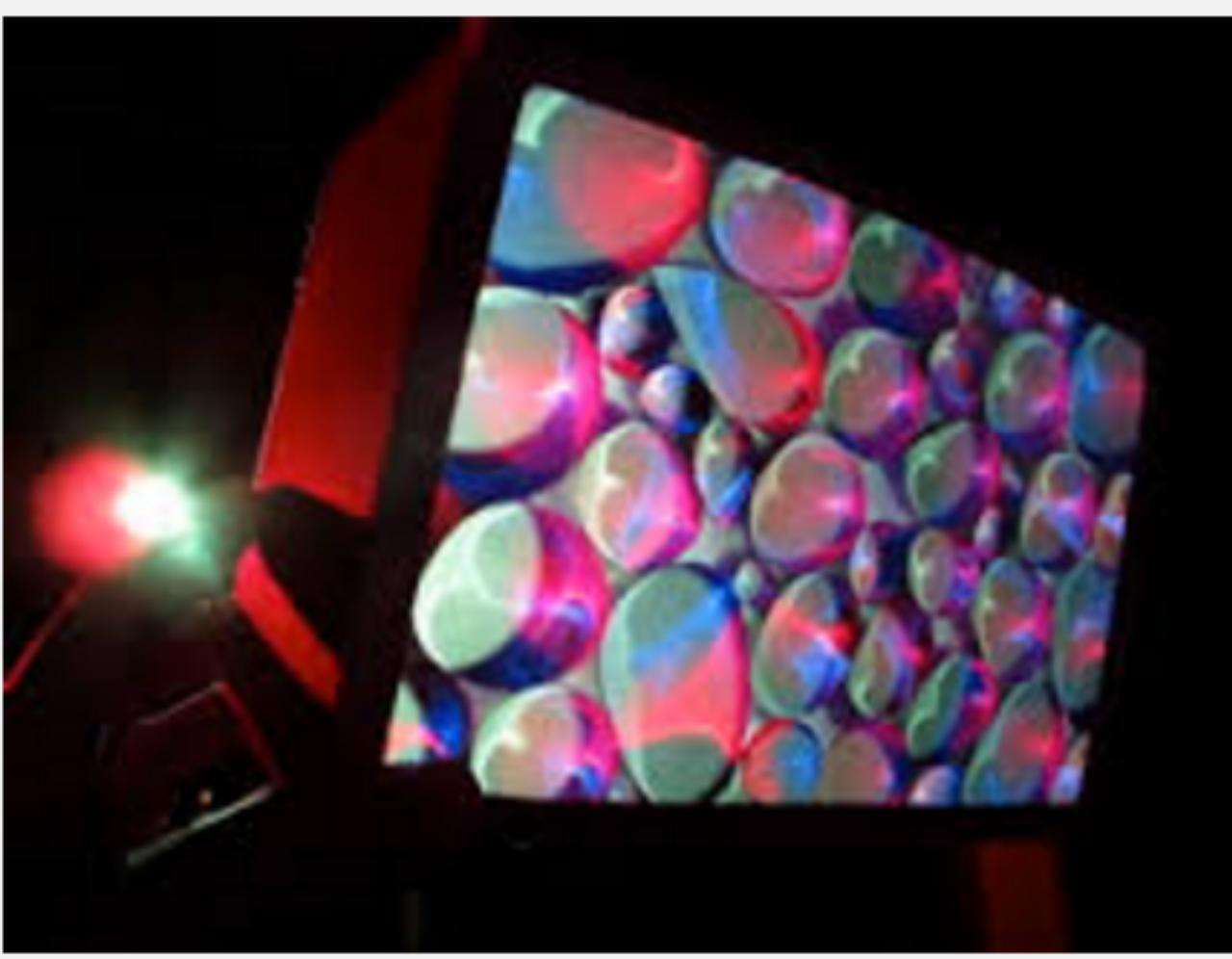
- 1/ Daydreamer is made out of two parts, first part is the 'light-box', which can change color through voice commands and gesture sensor.

- 2/ The second part of the product is the vibration transferring motors.

This part is connected to your computer and the closest bone to your ear.

design

artifact

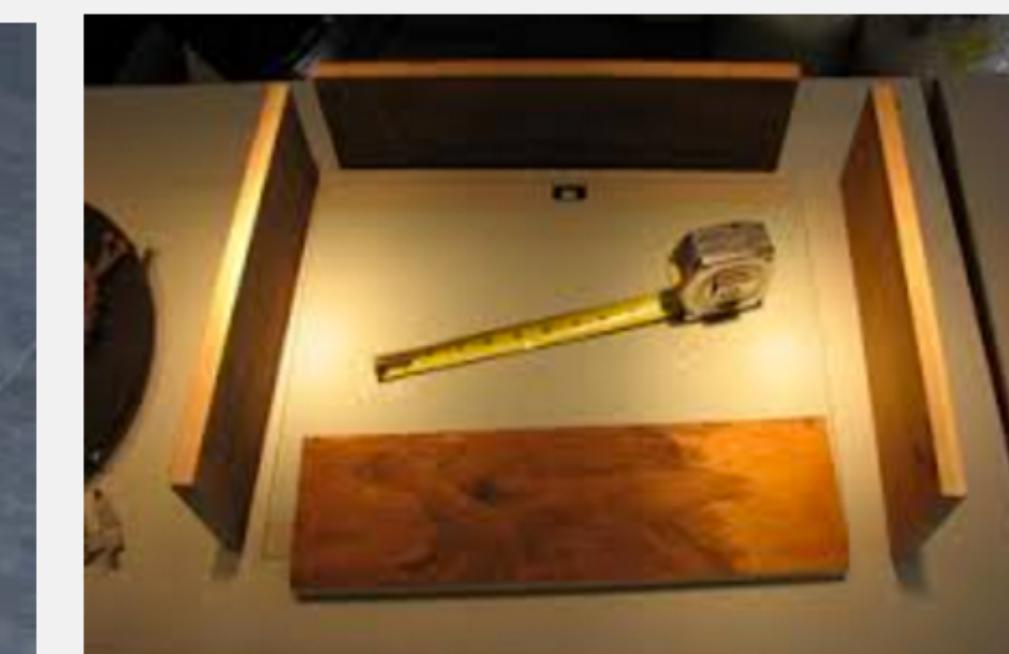


mylar light box

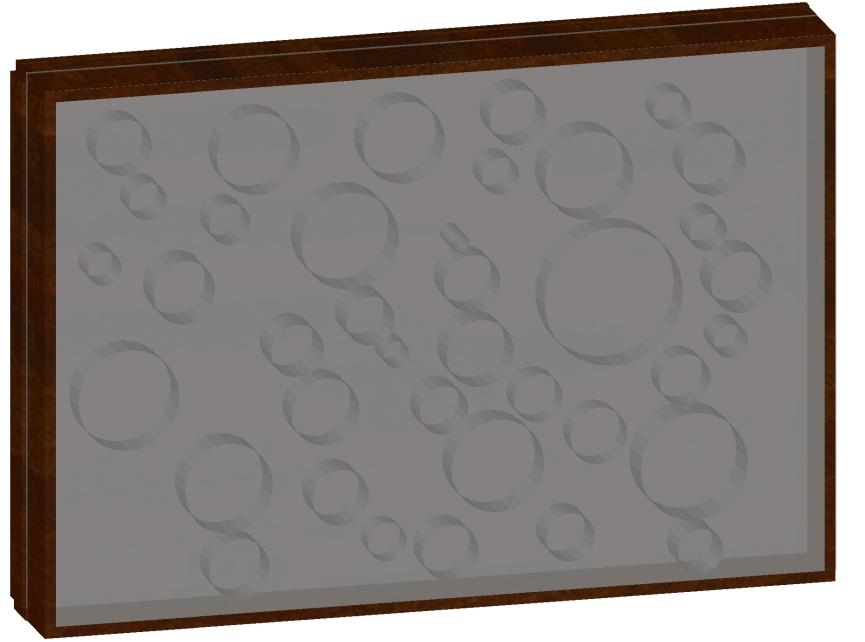
artifact

observation
research

design inspiration



classic light box designs



front



back

design

artifact
‘autoCAD’



Yellow+Orange
Confidence



Blue
Coldness



Blue + Green
Spirituality



Orange + Red
Energy/Passion

design

artifact
expectation

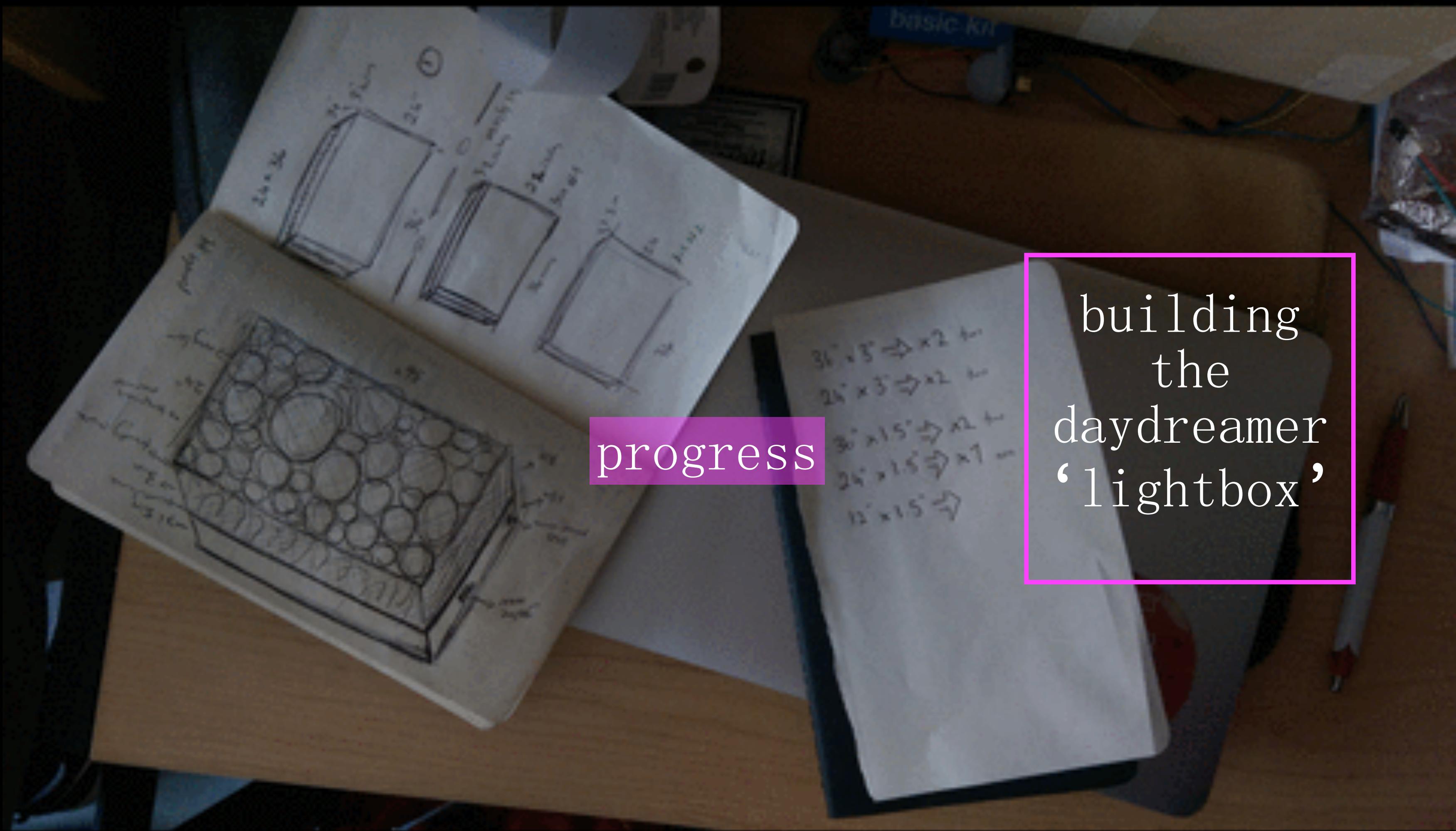
- Wood (1/2in Canadian Birch) x multiple pieces with different dimension.
- Chinese Birch 1/4in 36x24 single panel.
- Tracing paper(36x24)
- Pack of Nails (1in)
- Copper plate for merging different wood blocks.
- Wood Glue
- 12x60 Mylar

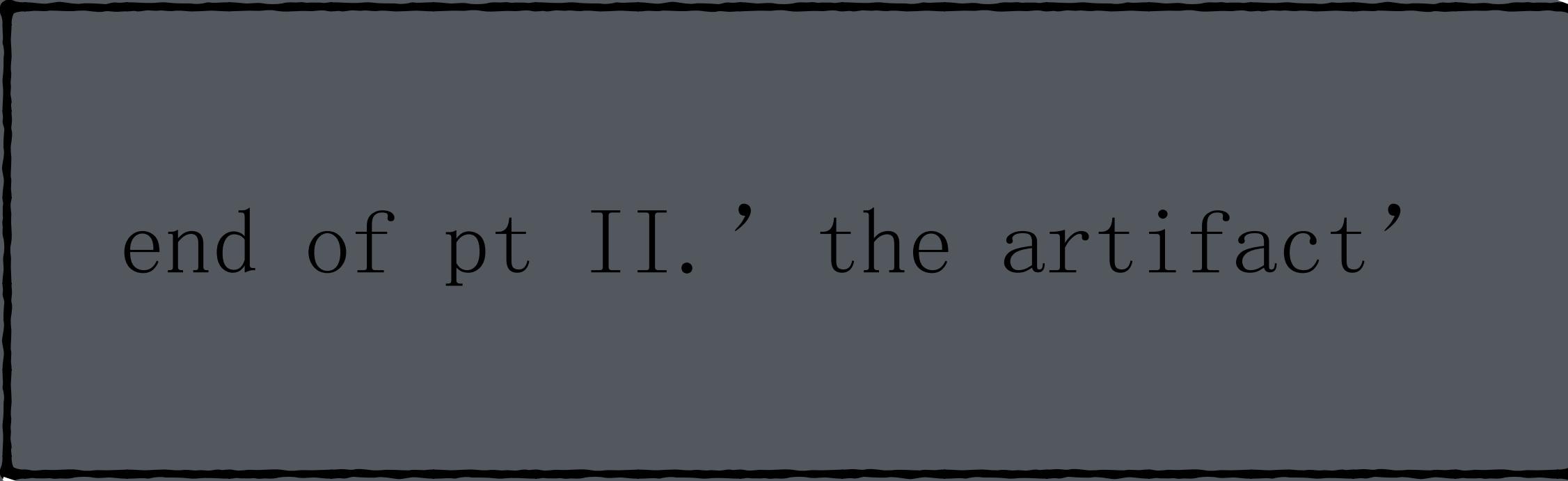
bill of materials
part 1 of x

materials

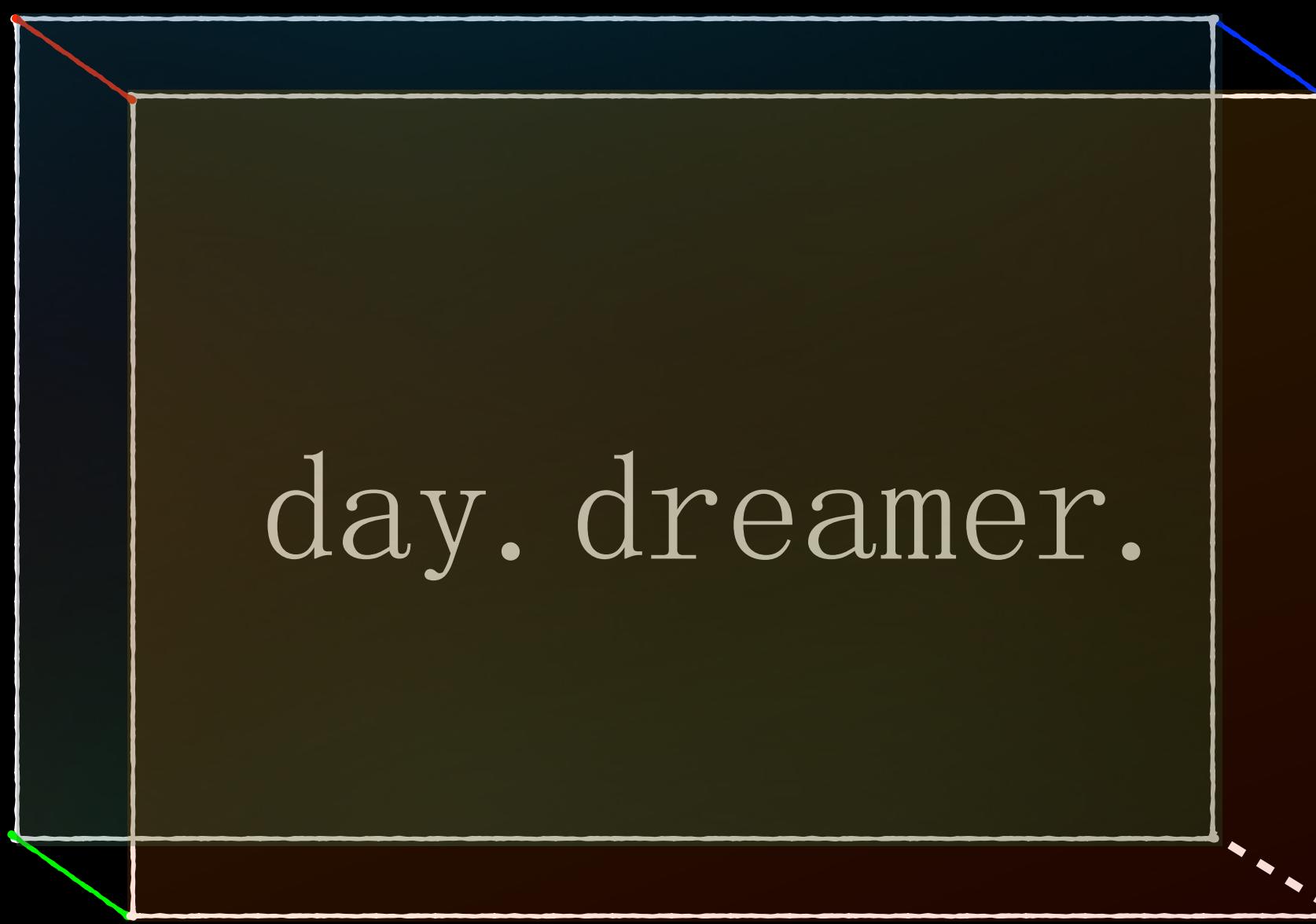
building
the
daydreamer
'lightbox'

progress





end of pt II.' the artifact'



day. dreamer.

by

{ emre sardogan }

- Bluetooth connection between Arduino and Android cellphone.
 - Gesture sensor for close human interaction.
 - NeoPixel LED rings
24 LED's in one ring x2
 - A headphone to solder vibrating motors.
 - Application downloadable from Google Play in order secure a connection between the phone and bluetooth over serial port.

research;
materials;
(technology)

- HC-06 Bluetooth Module
- Gesture Sensor
- NeoPixel 24 LED ring X2
- Vibrating Motor
- Jumper wires and solder

materials

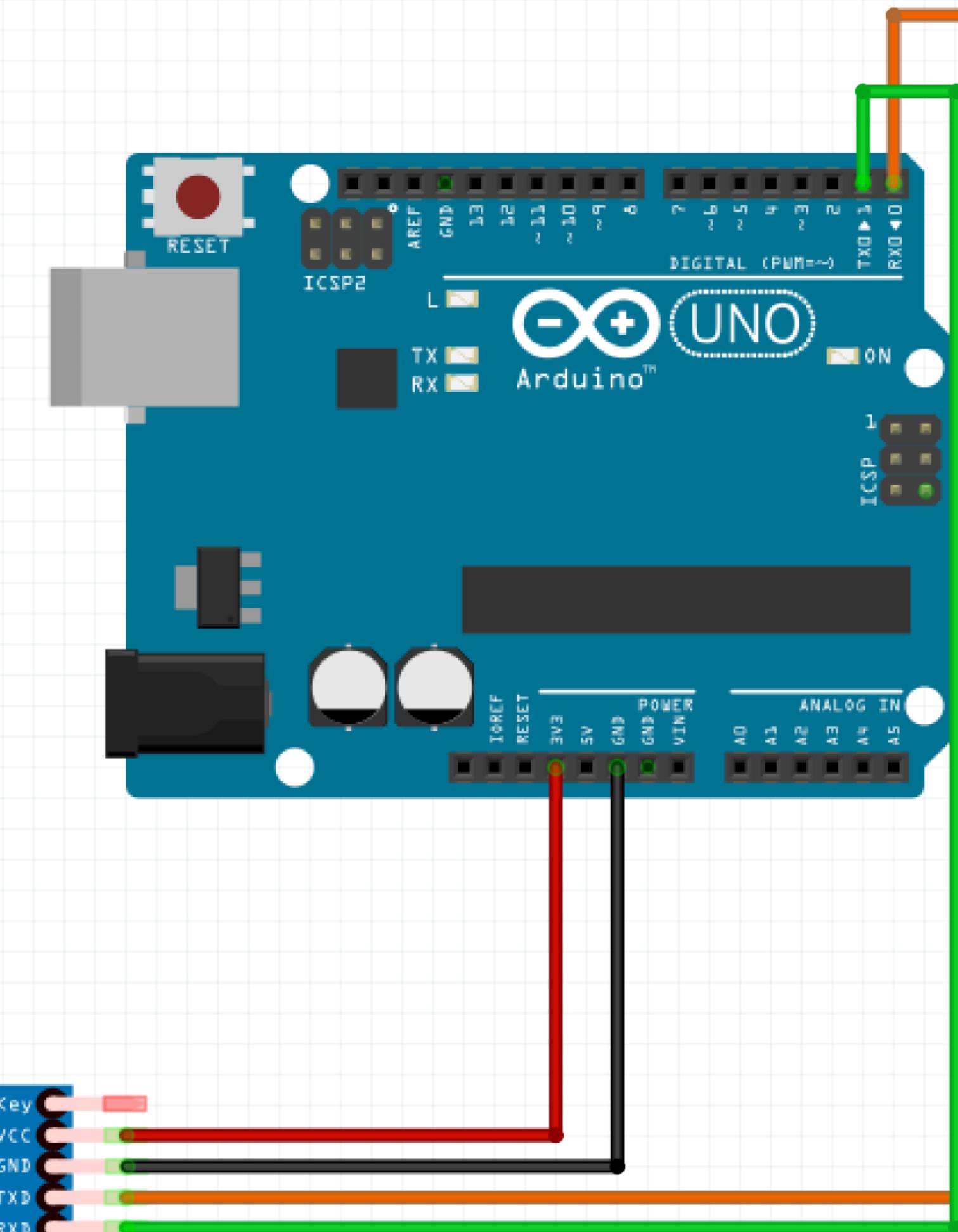
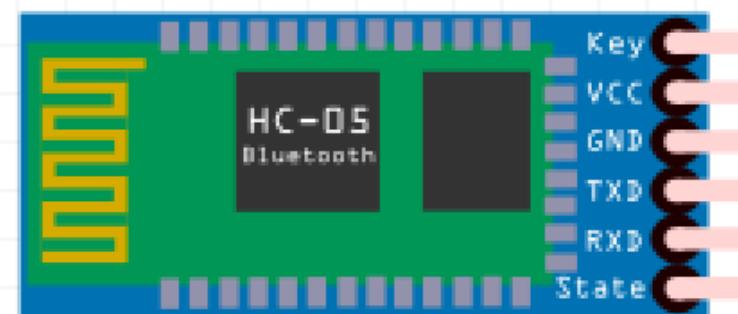
bill of materials
part 2 of x

materials;
(technology)

Bluetooth HC-06

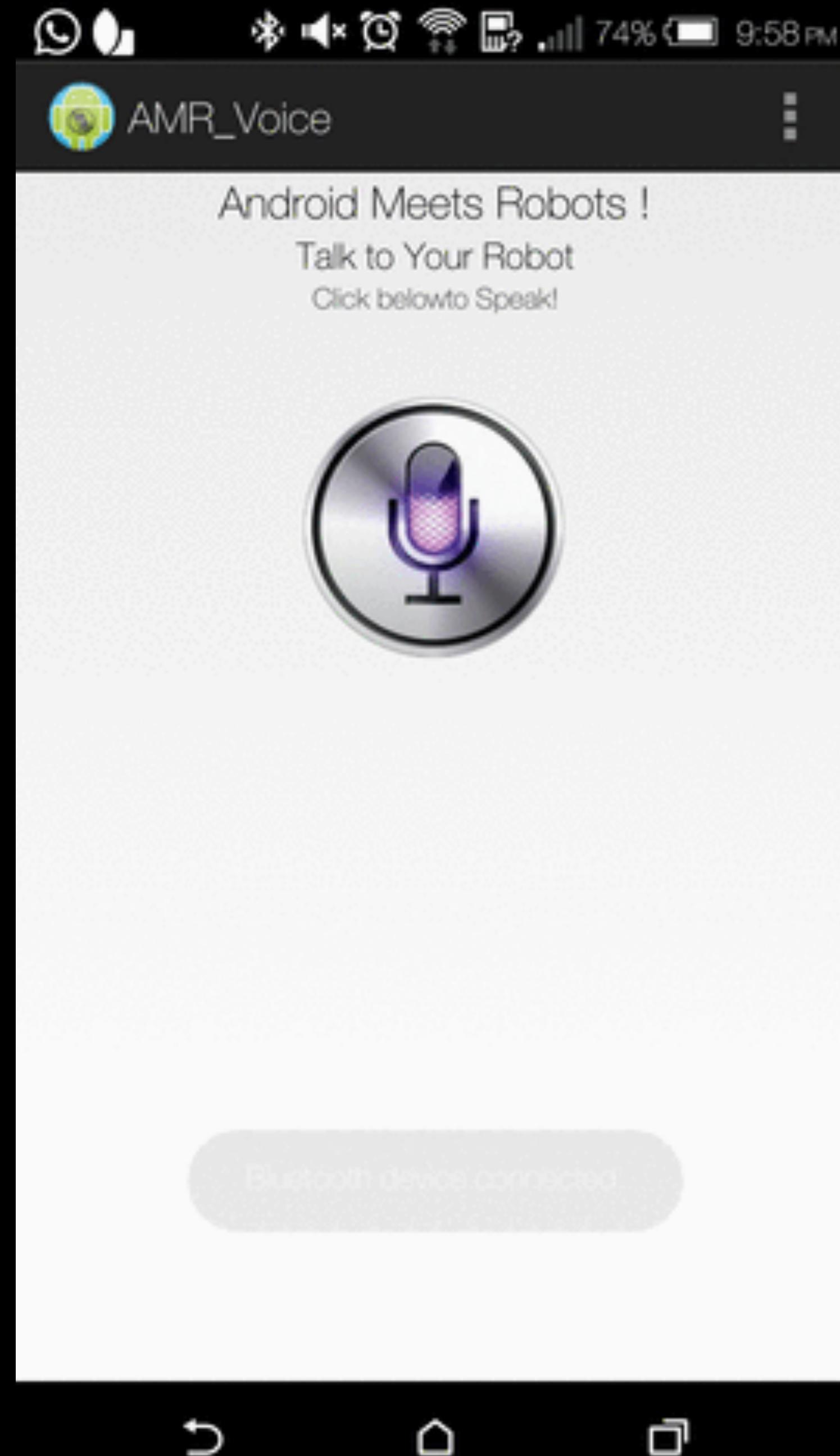
Connection List:

VCC = 3.3V {RED}
GND = GROUND {BLACK}
TXD = RXD (digital 0){ORANGE}
RXD = TXD (digital 1){GREEN}

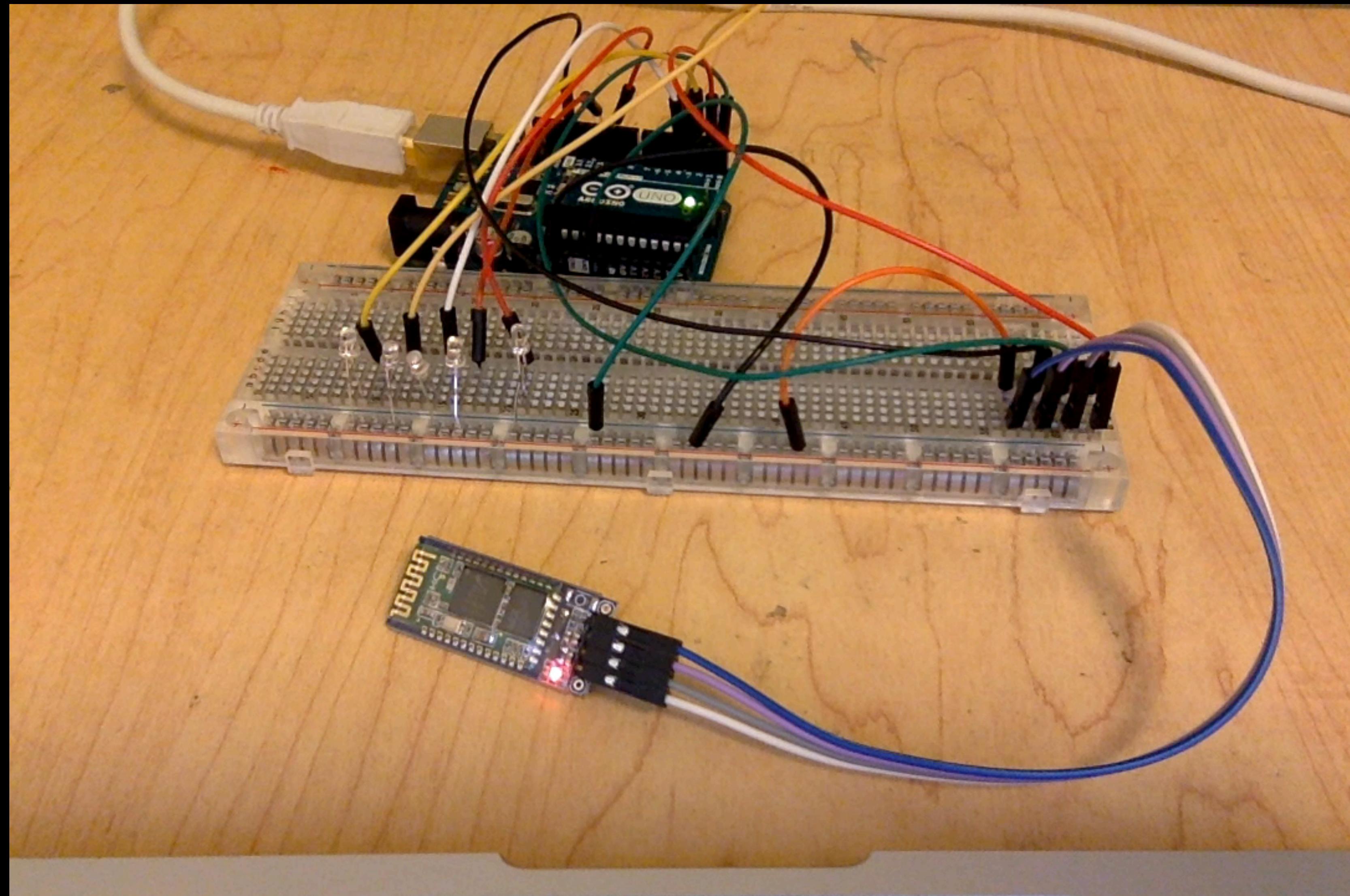


materials;
(technology)

Bluetooth
Android

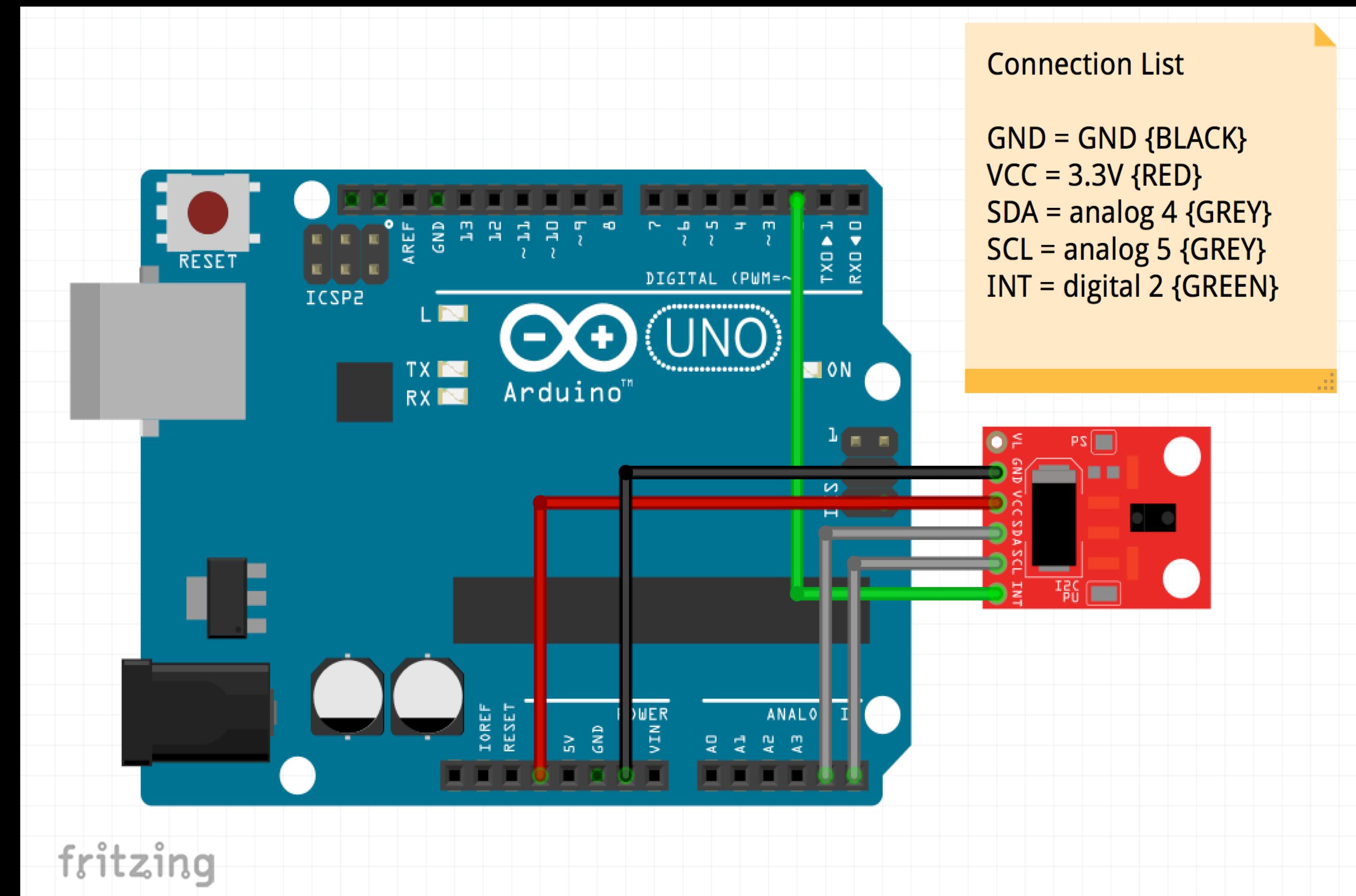


materials;
(technology)
Bluetooth
x Android
'in use'

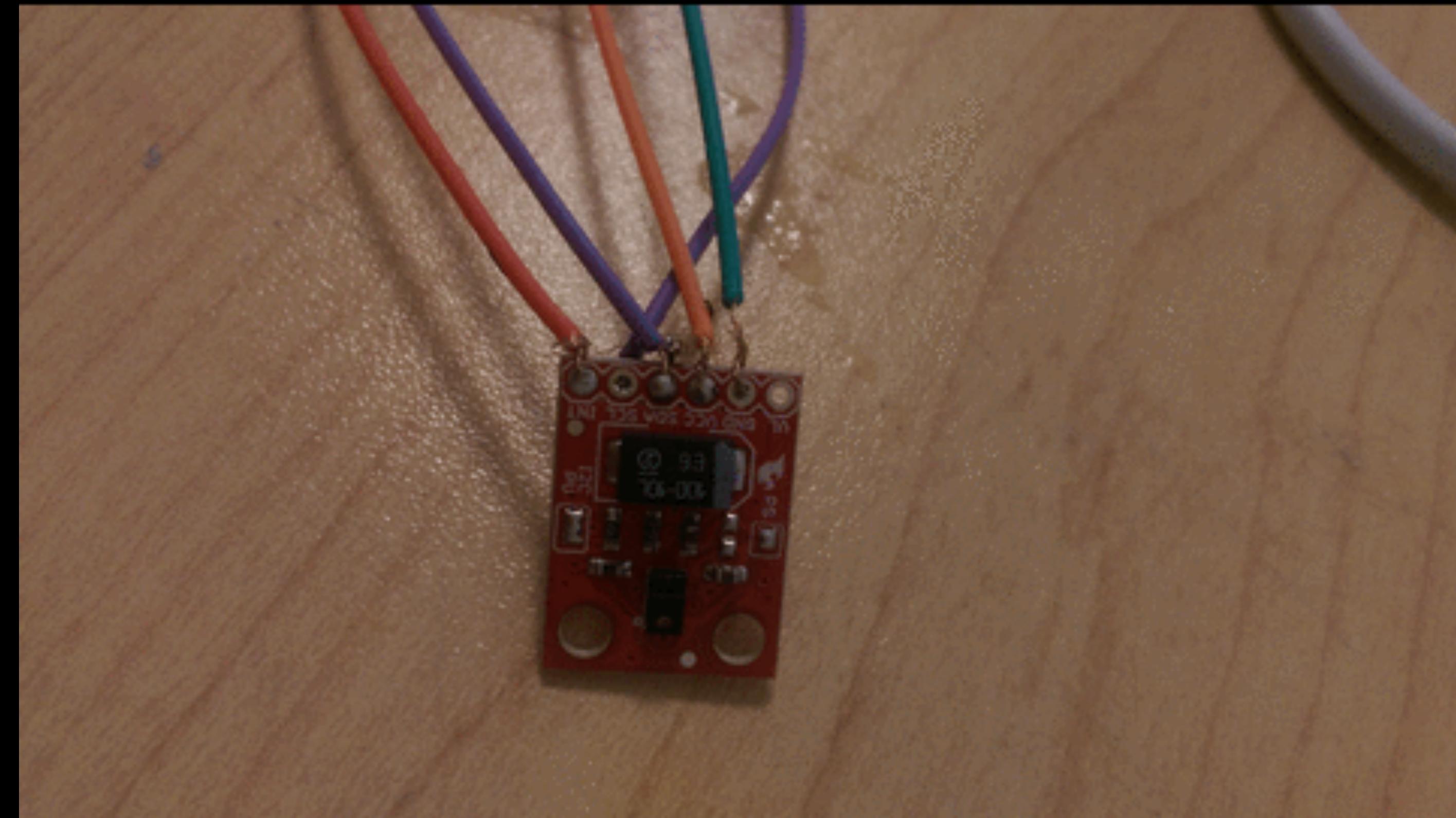


materials;
(technology)

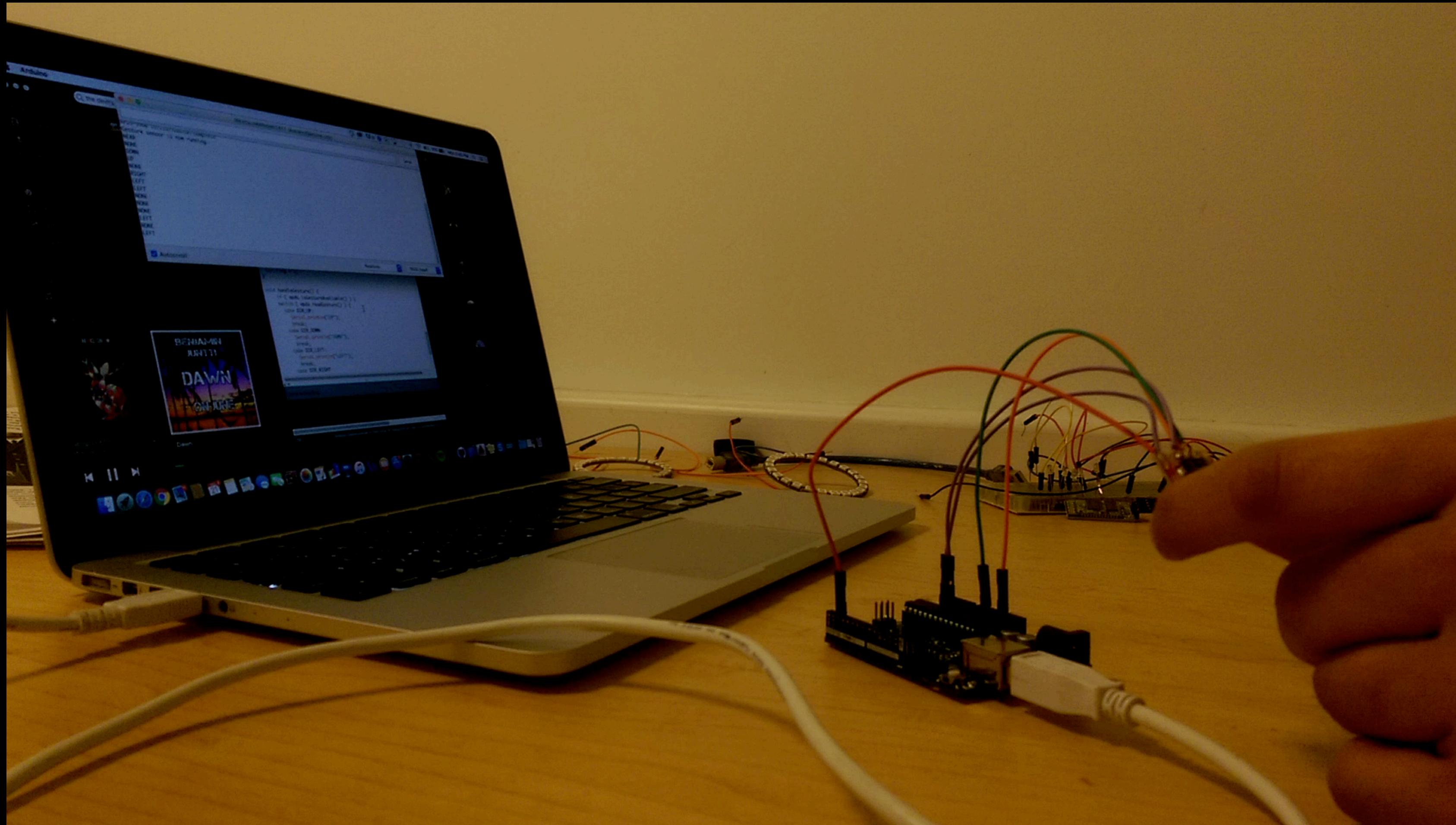
Gesture Sensor



materials;
(technology)
Gesture
Sensor
‘Progress’

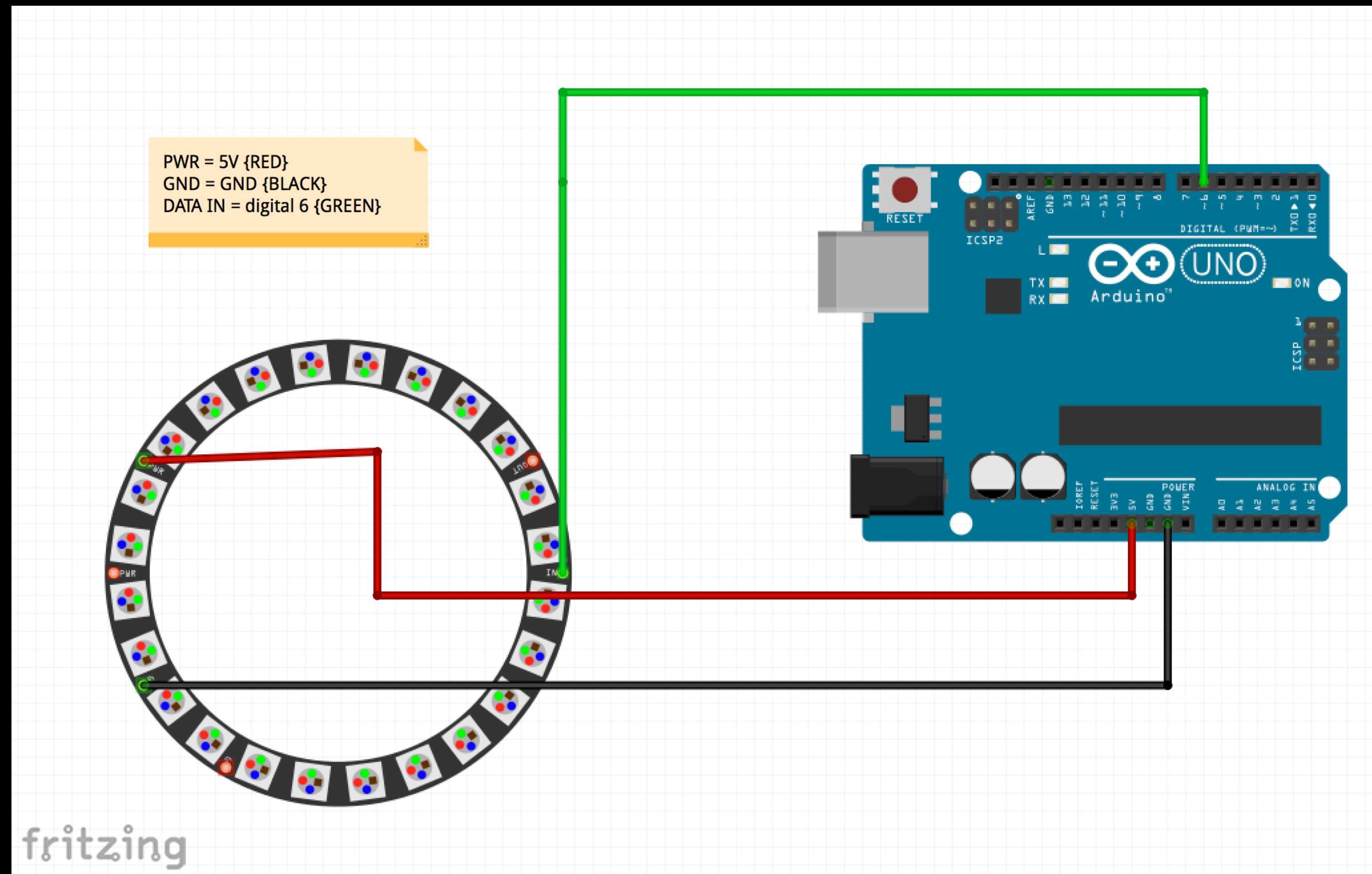


materials;
(technology)
Gesture
Sensor
'in use'

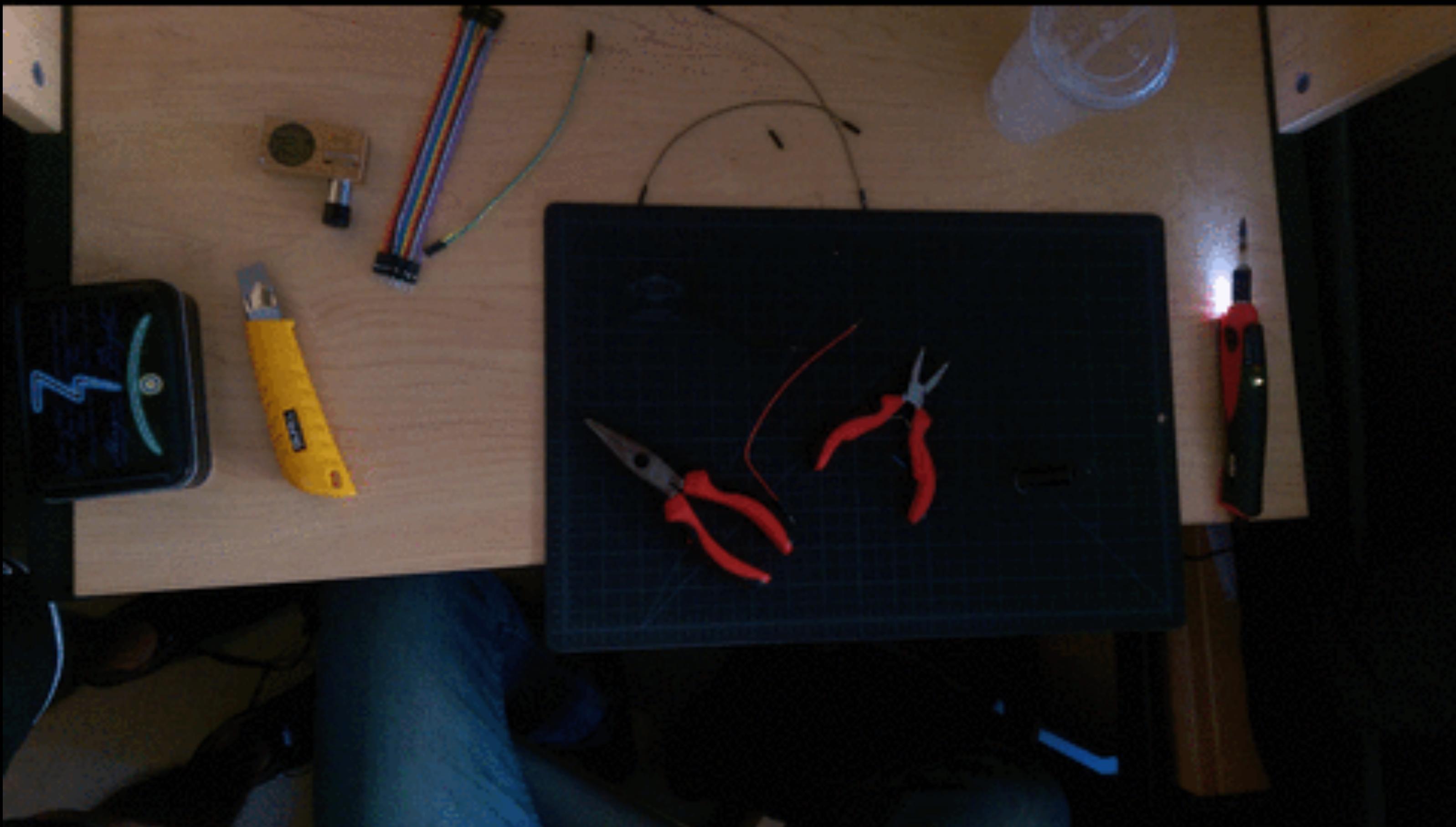


materials;
(technology)

NeoPixels

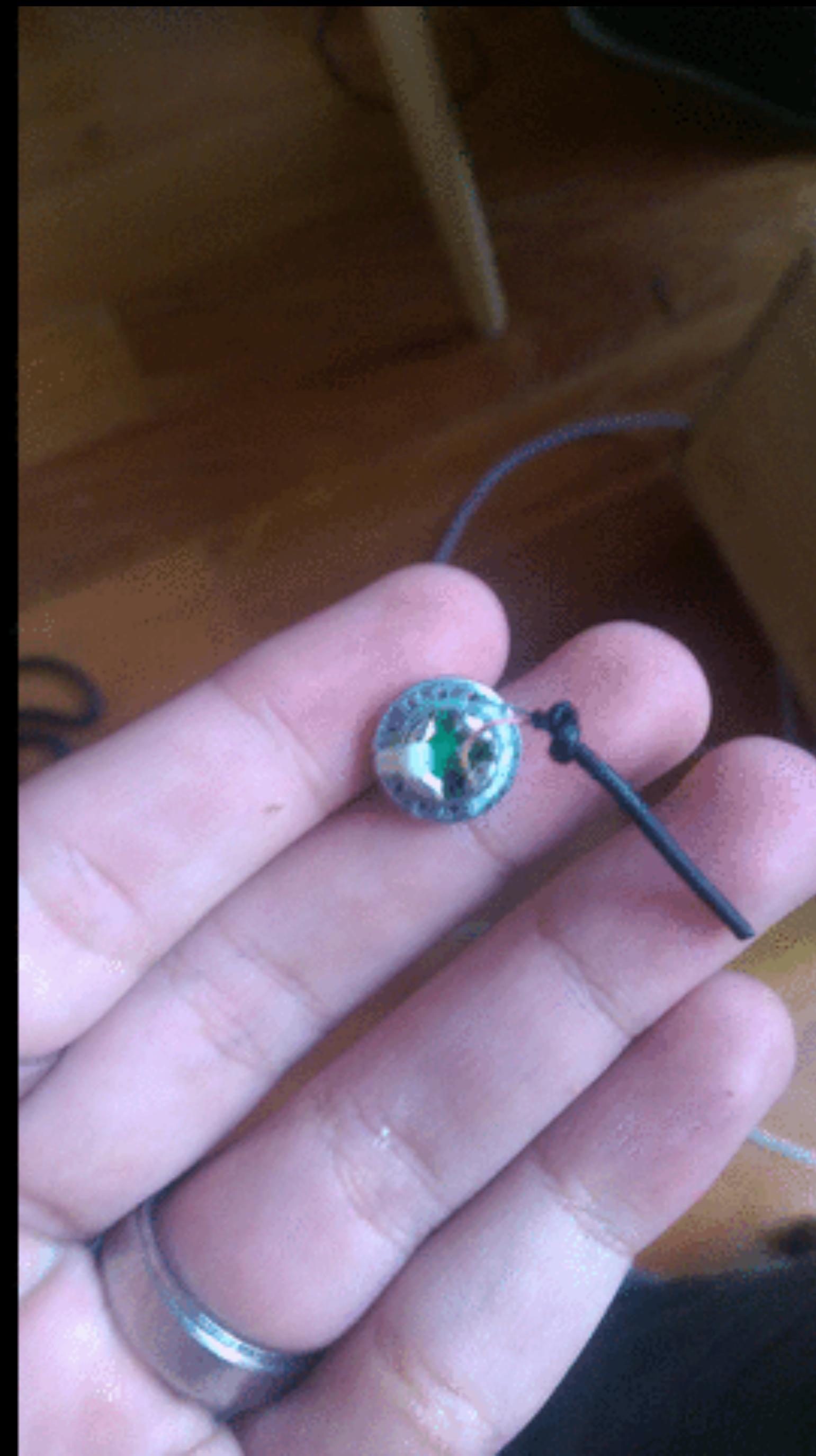


materials;
(technology)
NeoPixels
'progress'



materials;
(technology)

vibrating
motors



Bluetooth
Android

("spirituality") ("standby")
("energy") ("wake up")
("creativity") ("sleep")
("blue")

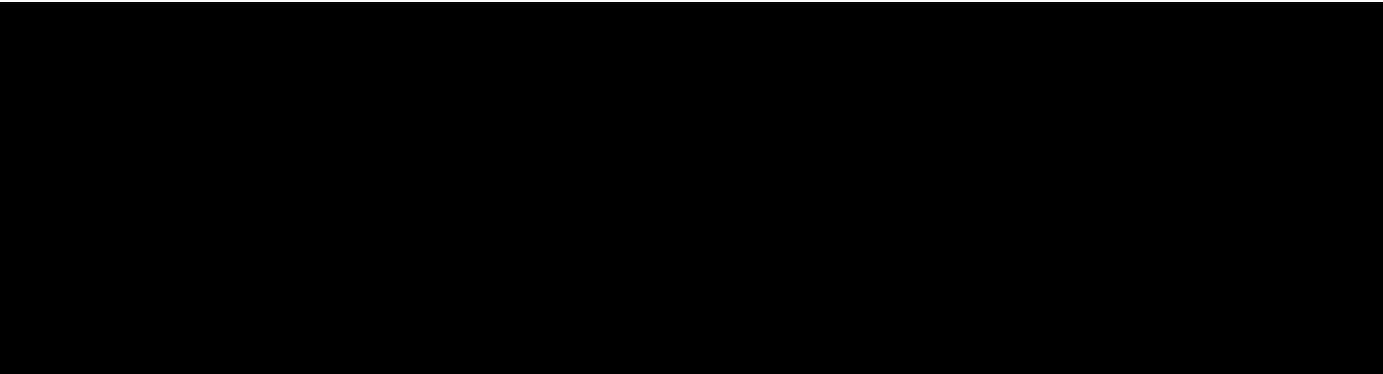
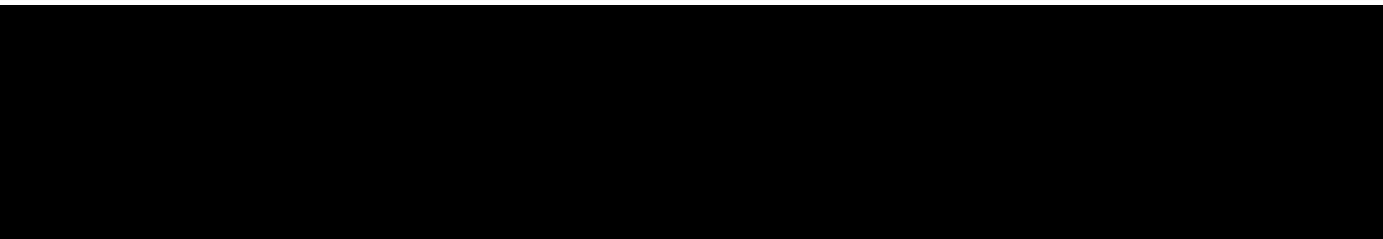
Gesture
Sensor

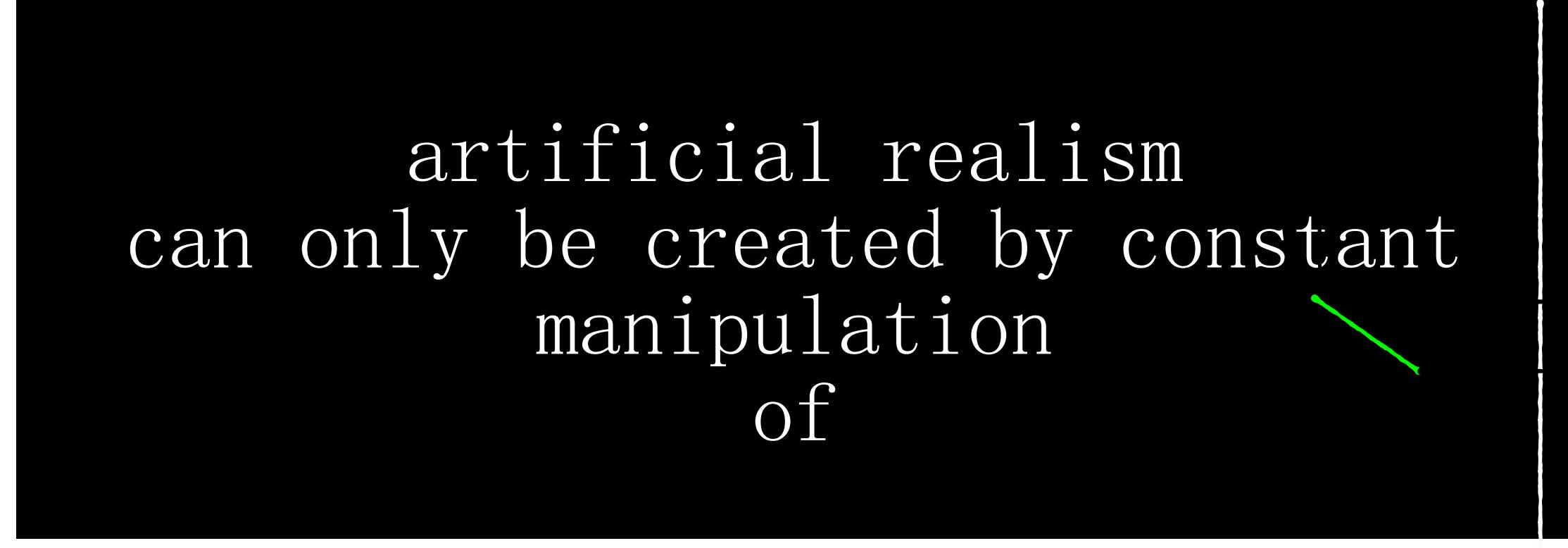
DIR_UP; Wake Up
DIR_DOWN; Sleep
DIR_RIGHT; not assigned
DIR_LEFT; not assigned

commands &

functions

<https://github.com/emres13/DT-Lab-2-/tree/master/Midterm>





artificial realism
can only be created by constant
manipulation
of

