



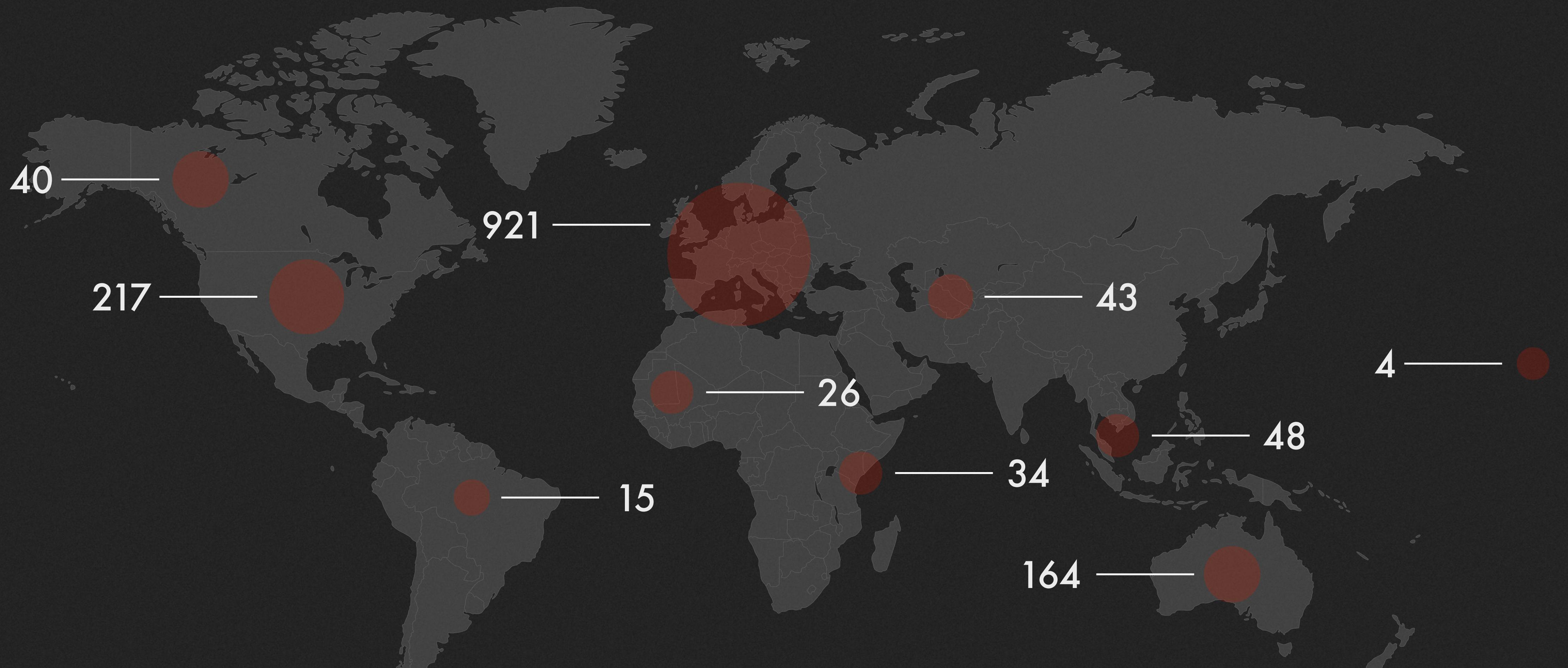
CODERDOJO





2011

1st Dojo



~1600
Dojos

~75
Countries

~330000
volunteer hrs

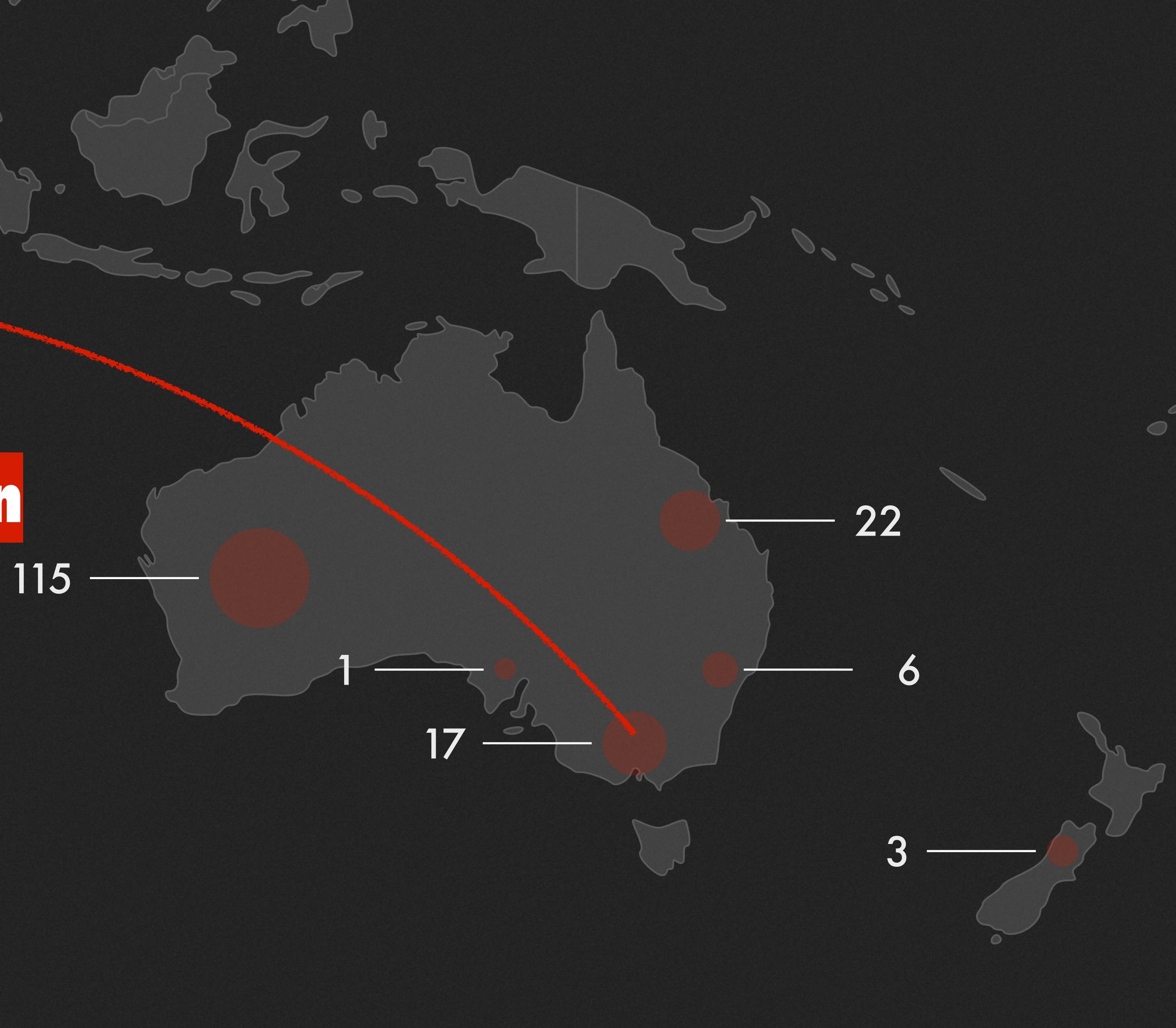
~150000
ninjas



CoderDojo
CARLTON

Coding Club in Carlton

bi-weekly
school terms only
no curriculum
2 rooms
40 kids/session
~10 years old



Rules

Be Cool!

Ask Three Then Me

If you made it you can play it!



Rituals



welcome

communicate

showcase / party

guest speakers

Girls

female role models

keep friends together

language

make it relevant

girls table

avoid stereotypes



I liked when we

S.

I ~~try~~ like

to make

Games

(even if it's the helpness! frankhard)

From Verhdi

I like people
help me

Awwab

I like the
helpers

I Liked -
game

The MENTOR,
were nice

I really liked how
just you can do what-
ever kind of
made project you wish.

Gr

I liked How

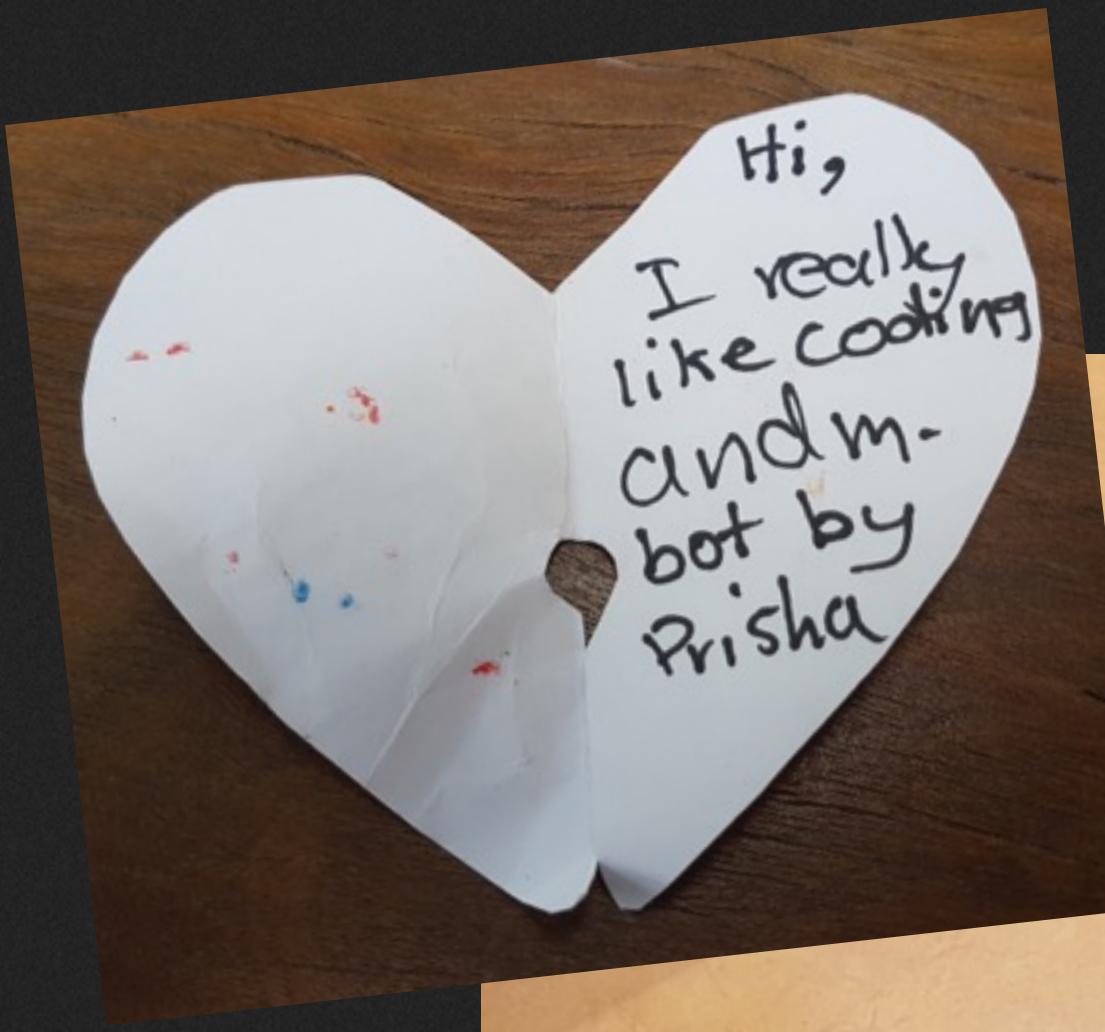
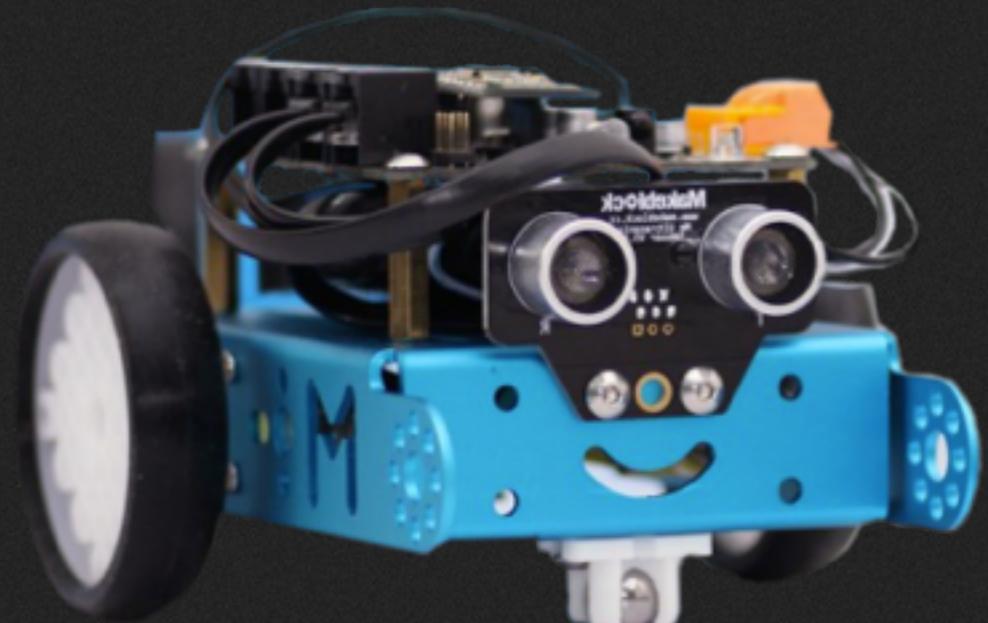
You can taste

Practice

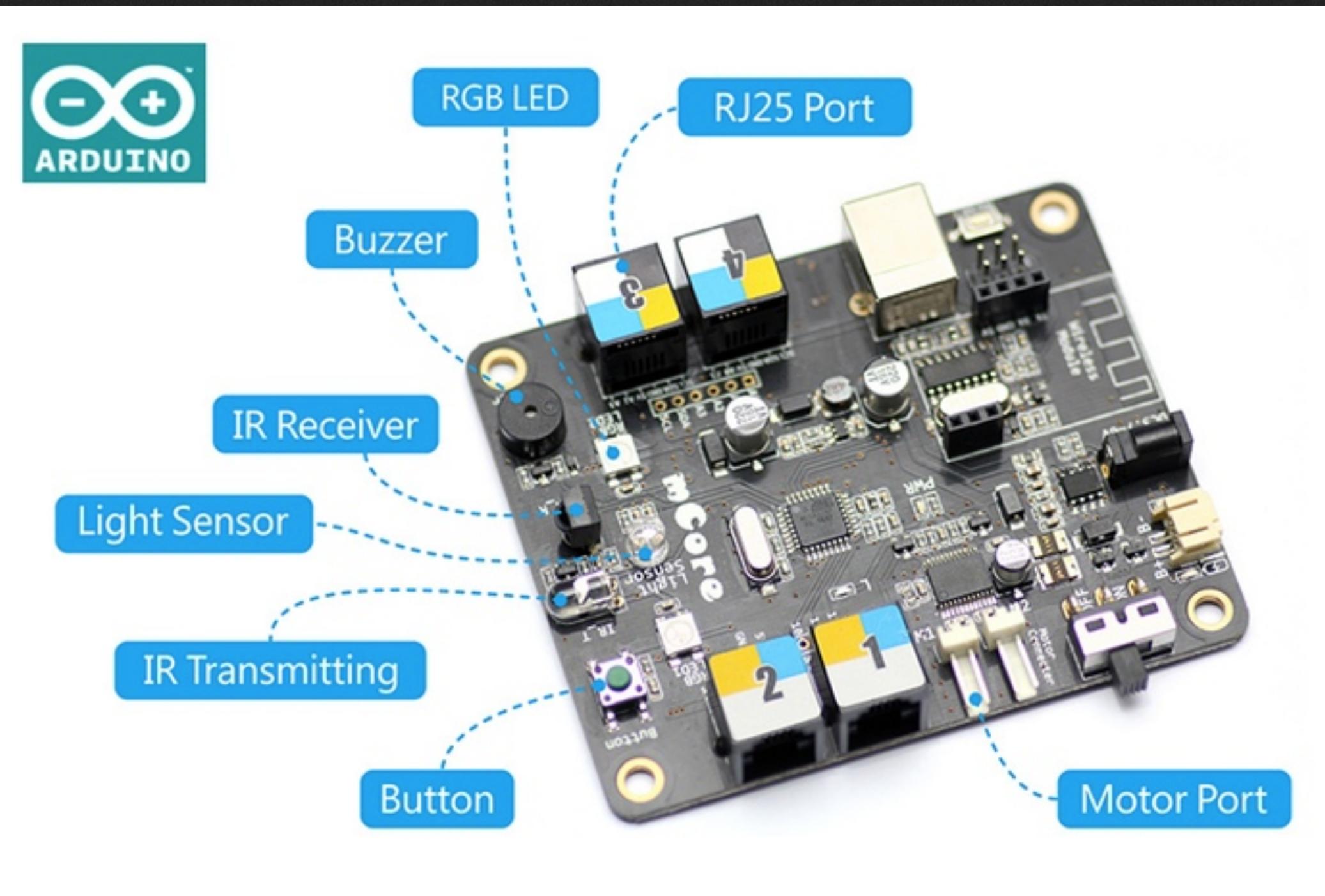
coding

Coding in a
friendly environment

mBots



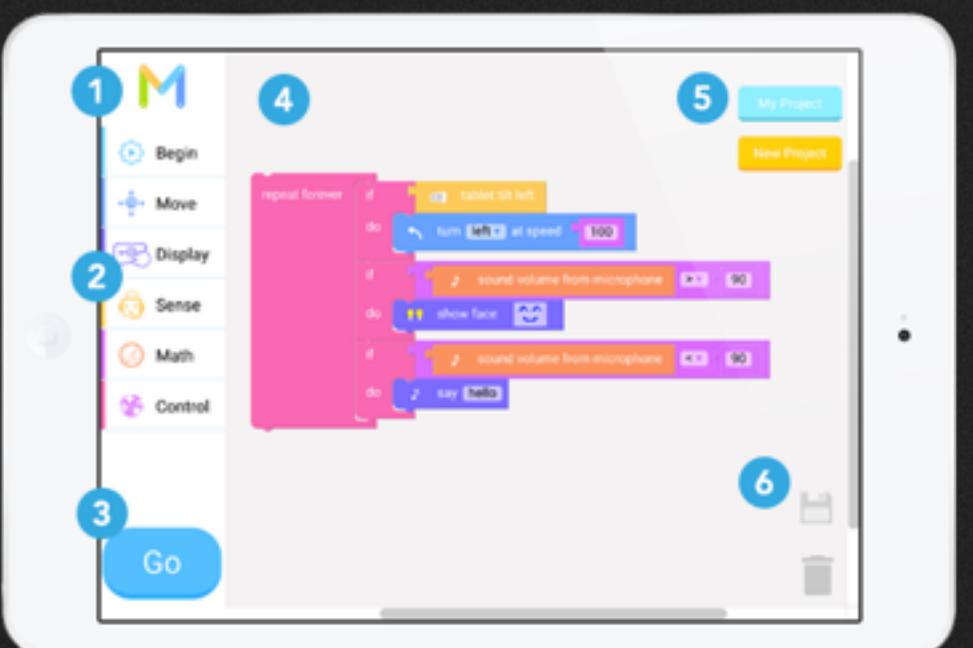
Arduino based



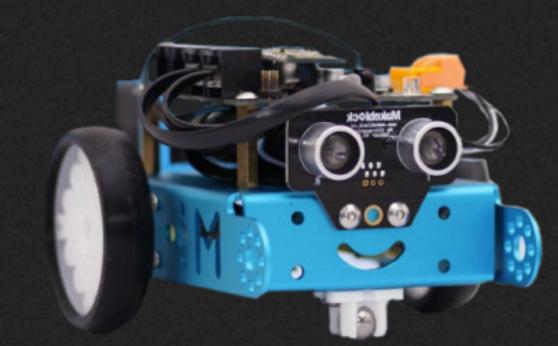
mBots



Desktop



App



mBots

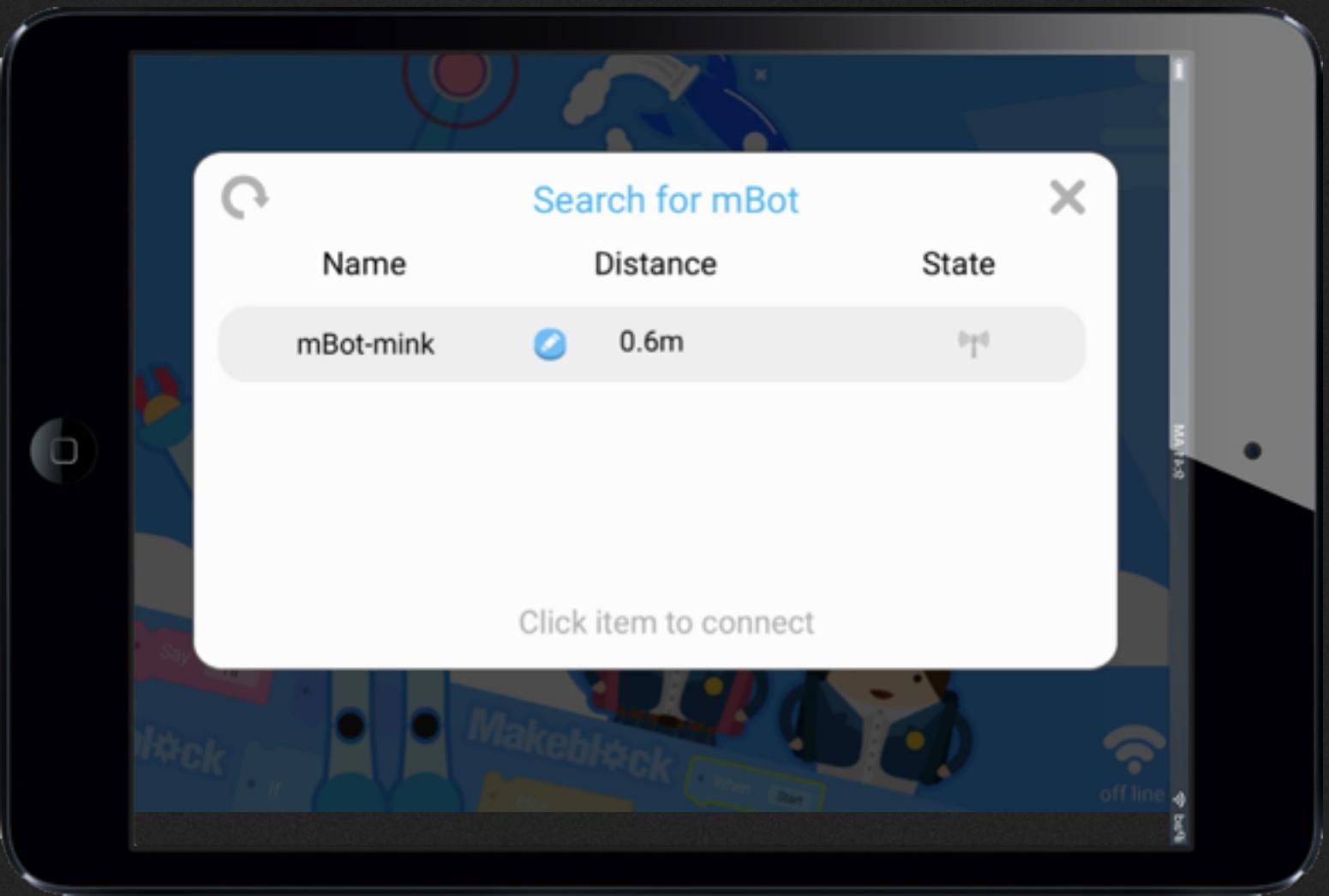
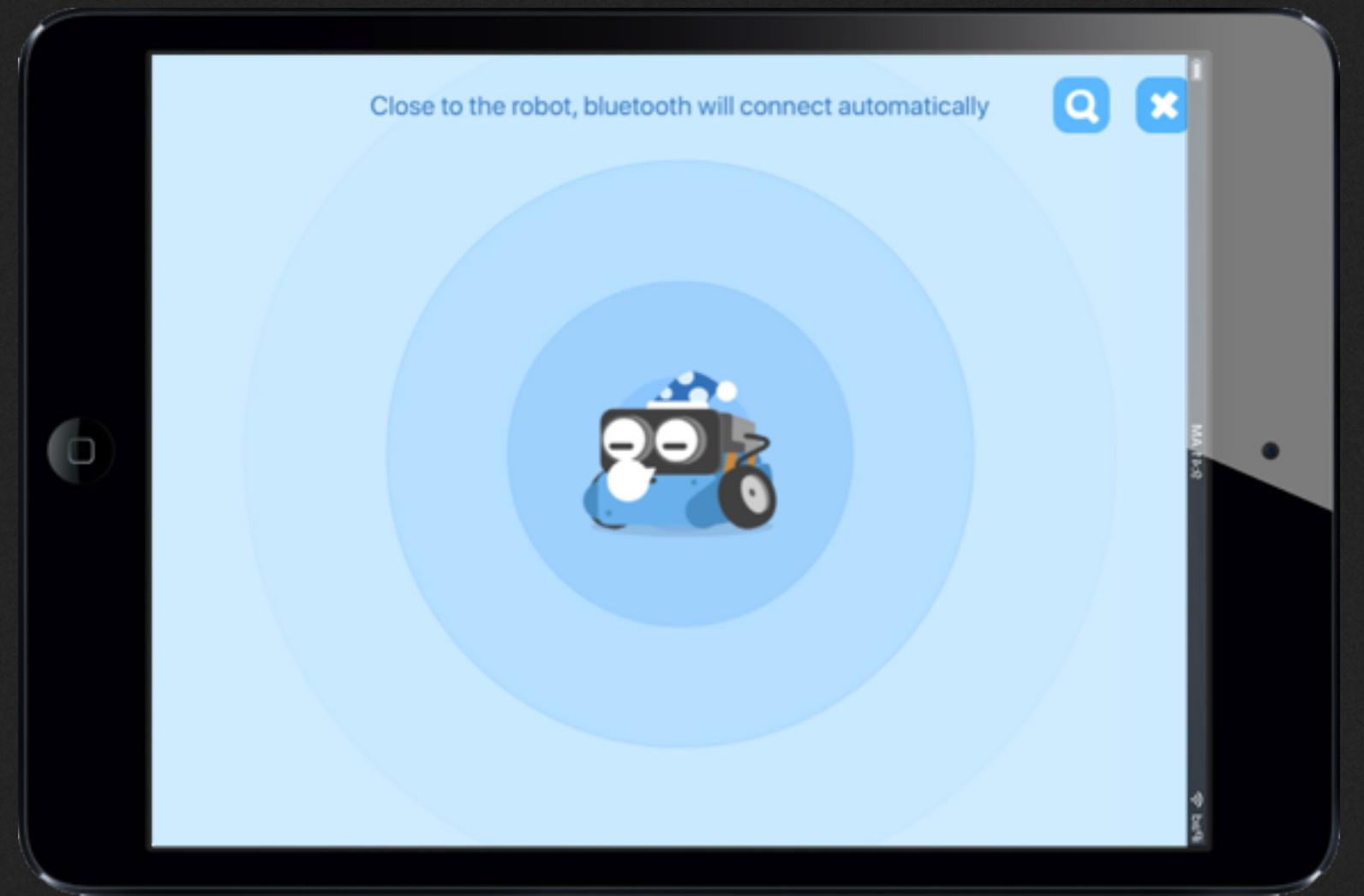
warm up

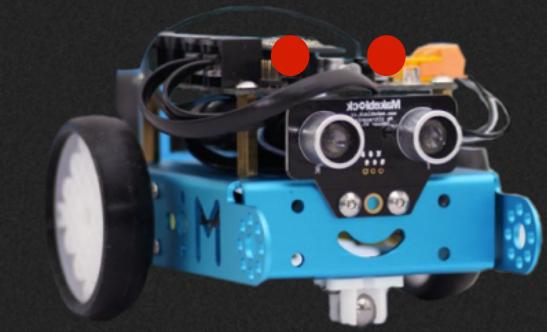


mBots

warm up

set up





mBots

warm up

set up

blink

```
when green flag clicked
repeat (5)
    lights up [left v]
    wait (1) secs
    lights up [all v]
    wait (1) secs
end
```



mBots

warm up

set up

blink

go

```
when green flag clicked
  [forward v3.0 s150 v150
    keep moving [turn left v150] at speed v150
    wait [1 secs]
    keep moving [turn right v150] at speed v150
    wait [1 secs]
  stop moving]
```



Boards Extensions Languages

- Arduino
- Arduino Uno
- Arduino Leonardo
- Arduino Nano (mega328)
- Arduino Mega 1280
- Arduino Mega 2560
- Makeblock
- Starter/Ultimate (Orion)
- Me Uno Shield
- ✓ mBot (mCore)**
- mBot Ranger (Auriga)
- Ultimate 2.0 (Mega Pi)
- Others
- PicoBoard

Connect Boards Extensions Language Help

Serial Port ► /dev/tty.Bluetooth-Incoming-Port

Bluetooth ► /dev/tty.Makeblock-ELETSP

2.4G Serial ► /dev/tty.wchusbserialfa130

Network ►

Firmware

Upgrade Firmware

Reset Default Program

View Source

Install Arduino Driver

mBot ▾

- Motion
- Looks
- Sound
- Pen
- Data&Blocks

Connect Boards Extensions

Serial Port ►

Bluetooth ►

2.4G Serial ►

Network ►

Firmware

Upgrade Firmware

Reset Default Program

View Source

Install Arduino Driver

Connect Boards Extensions

Serial Port ►

Bluetooth ►

2.4G Serial ►

Network ►

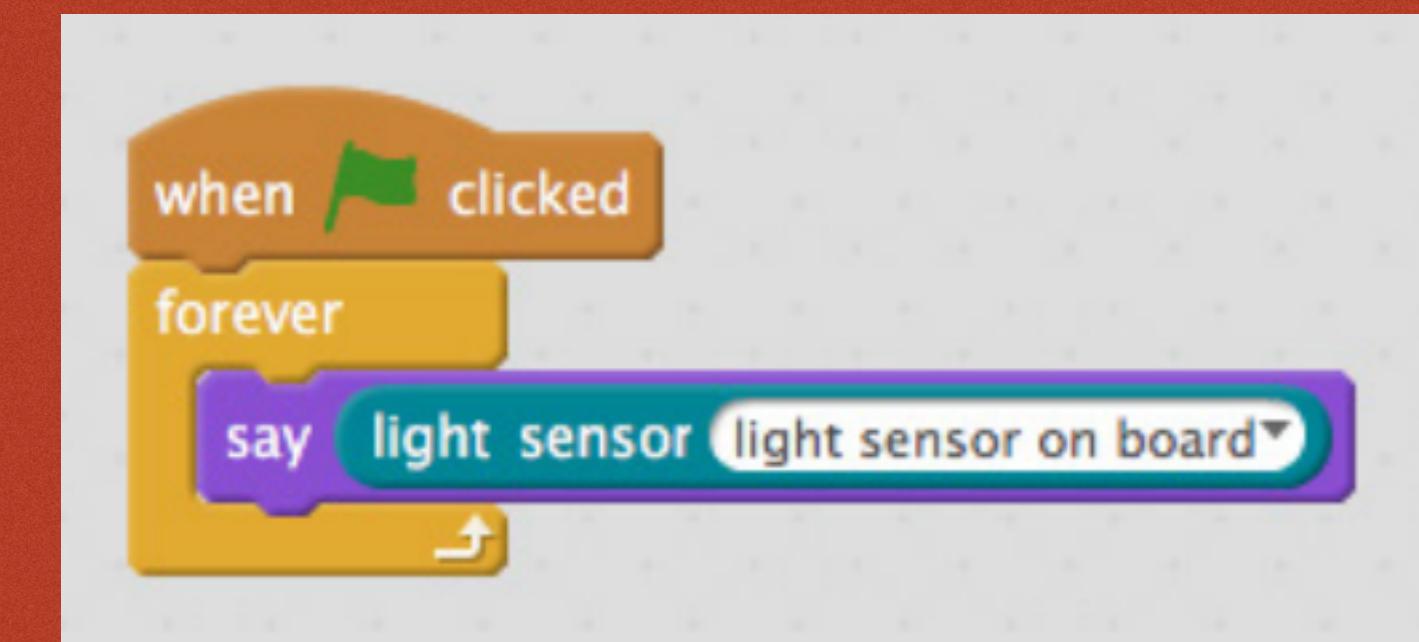
Upgrade Firmware

Reset Default Program ►

Set FirmWare Mode ►

View Source

Install Arduino Driver



Desktop

Thank You

coderdojoCarlton.com.au

@carlton dojo

