

PROGRAMMING
ADVANCED FEEDBACK
WITH ARDUINO

## PREREQUISITES:

- You have a tiny bit of Arduino experience
- You are familiar with 'void setup()' and 'void loop()' code structure
- You know how to make LED blink
- you know about digitalRead() and analogRead()

# TO REFRESH YOUR ARDUINO SKILLS:

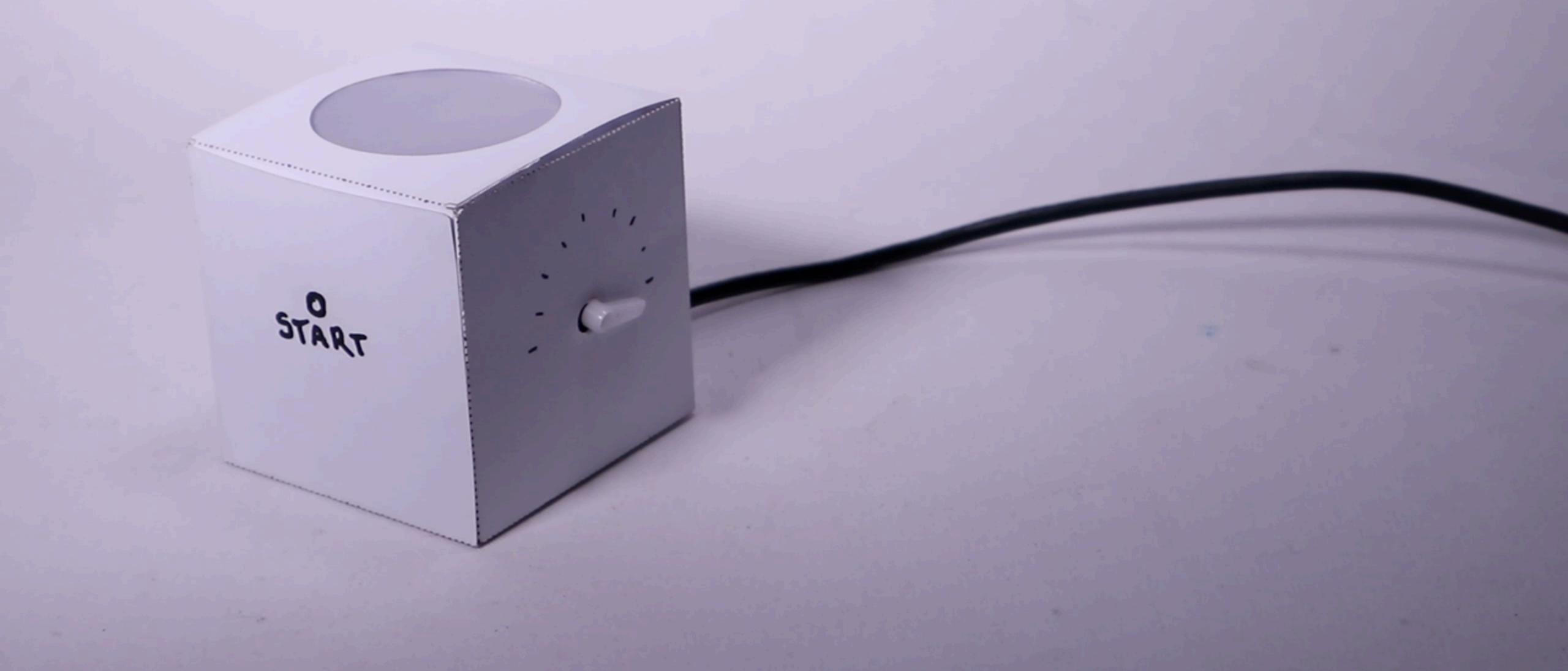


https://www.youtube.com/channel/ UCDGAg1pqcy8IScMqHHTy9Gg

### GOALS OF THIS CLASS:

- Create beautiful and expressive feedbacks
- Learn how to design custom LED animations
- Control sensor and actuators asynchronously
- Using state machine diagrams to sketch and structure your Arduino code.

# THE POMODORO TIMER PAPER KIT



## READY TO START?



Download the class resources here.

https://github.com/id-studiolab/
pomodoro/releases/latest

#### CHECKLIST:

- Download the resources folder
- Download and install the Arduino IDE from here https://www.arduino.cc/en/Main/ Software
- ☐ Assemble the pomodoro timer box
- □ Install the Seeduino Lotus driver v1.1 as
   described here <a href="http://">http://</a>
   wiki.seeedstudio.com/Seeeduino\_Lotus/
- □ Add the Seeduino boards to your Arduino
  IDE as described here http://
  wiki.seeedstudio.com/Seeed\_Arduino\_Boards/