COGS 300 Movement of if you break his connection, the light goes off. If we do that on purpose, it's a button or switch. 1 True High on off How do we know ? Which pa Hrn? 00 11 00 11111100 11100 > Timing + 异-

You need an encoding shame to carvey information.

you can real using digital Read (pin)

activity: digital Read ul Switch.

This brings as to the end or "121" material. Open circuits brok (pass mund) A potentioneler is a variable resistar. and the property of the state o V=IR the resistor resists (dissipate as heat) think heating element in a stone or rip open the resistar and a proble on it: (3) 1 NOW, connect with a bena it And you've * Demo

We can analog Read (pin) from the A-pins.

Inside the Chip are voltage comprairs. There are 1024:

is the signal higher than i an lower than i +1?

so you can detect 1024 havely.

5 / 1024 = roughly 0.005 V changes.

pretty good!

potentioneer is the model sensor.

If you ever forget how a sensor works, trunk "putentionarty"

Demo retrity pot + led.

Agent <> world loop

Agent acts world

In our shift to lay so far, the cansal link is ... you

Agent world

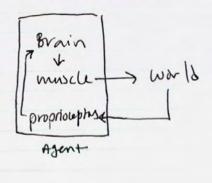
For pot

ten pot

t sense.

But soon you will sense things you acted none obviously on, like a notor + wheel.

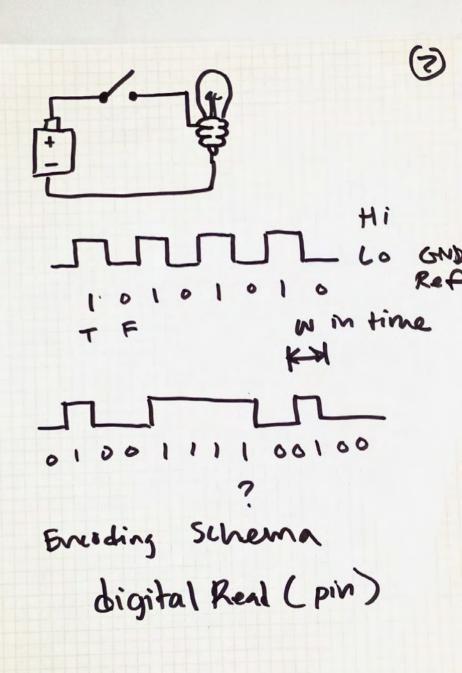
This is a very simple motel. It's only a high-level view. e.g.

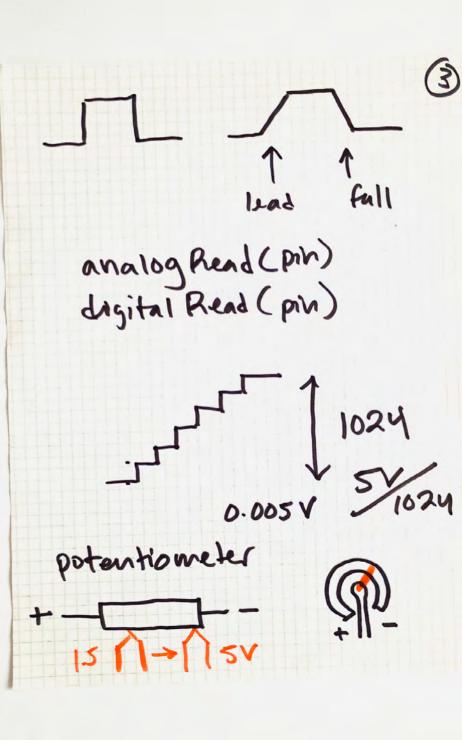


for we even "writh"

photocell domo. photocell activity. light neupho (honges resistana. circuit is like pot. also a good node! senot! If time: Design a hight light. Q: is a suiton a sensor? We'll see his soon, but suitches are used in many signisticated ways to some hungs!

Sep 9/2 COGS 300 Movement of WARMUP: Draw a set of lines that tell a story about your life. speed /min Time on you Tube 12pm .





Agent -> world sense