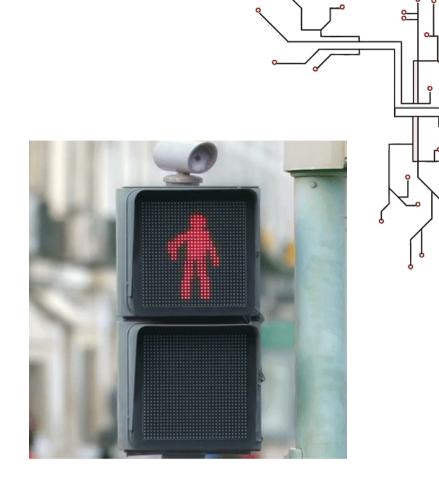
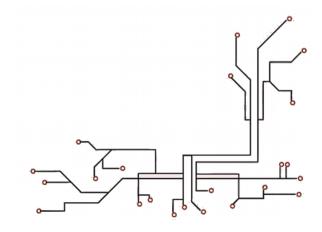
Traffic Crossing

- Traffic Light Design
- Traffic Crossing
- Adding Sound for the Blind

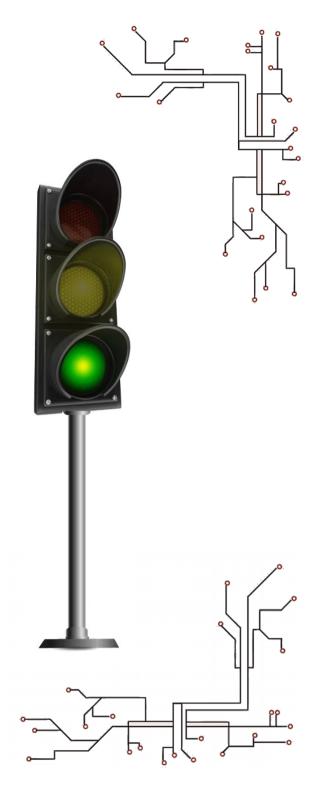






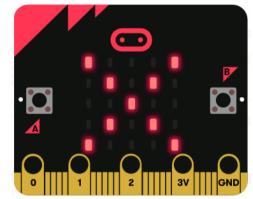
Single Traffic Light

- **Red** STOP (10 sec)
- **Green** GO (10 sec)
- Yellow SLOW DOWN (3 sec)
- Back to Red...



Crossing Traffic Light

- **Red** STOP (10 sec)
 - Crossing: Walking Man
- **Green** GO (10 sec)
 - Crossing: Standing Man
- Yellow SLOW DOWN (3 sec)
 - Crossing: Still Standing Man
- Back to Red...





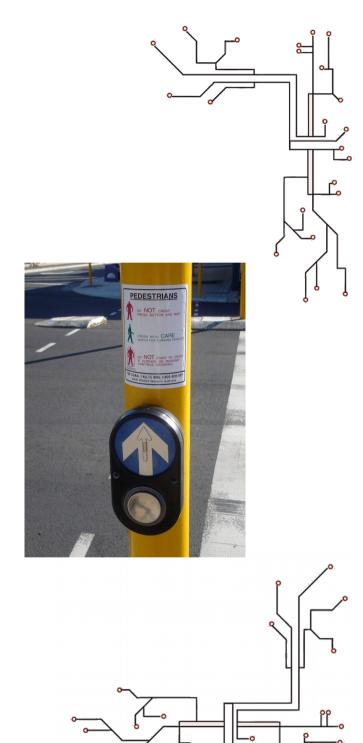
<u>A POSTERIORI</u>

Crossing Traffic Light

• What about a button, to indicate someone wants to cross…?

• Can we use A or B?

What will the pattern look like?

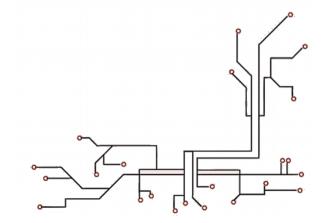




Let's Make

- Sounds for blind pedestrians indicating:
 - Crossing
 - Stopping

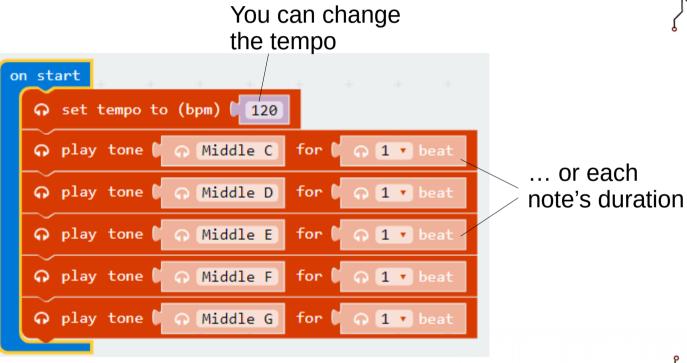
• One is fast, the other slow...





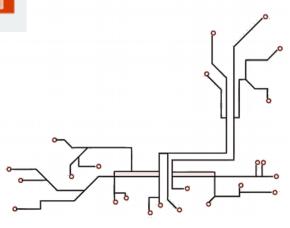
micro:bit Music

Tempo & Beats



Higher Tempo = Shorter Beat How long is each beat if tempo is 60 bpm? 120 bpm?



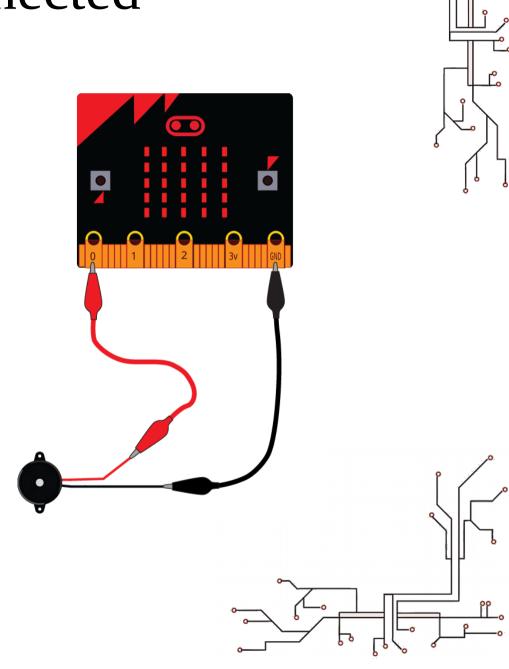


micro:bit Connected

Connect the **Piezoelectric Speaker** to hear from the micro:bit itself

• Feel free to bring headphones from home next week.

You can connect those, too.



A POSTERIORI Play · Experience · Learn