Add Makey Makey Extension

Makey Makey

Make anything into a key.

Collaboration with
JoyLabz

Makey Walkie

Make a sprite that walks with you.

- Add the Makey Makey extension
- Add a 'walking' sprite, like 'Avery'. There are animals too.
- To make the walking action detect **when left right** are pressed in order.
- Depending on the sprite you might step through one or more costumes. For Avery, change to the **next costume** twice with a **wait** in between.

Try 'walking' with your fingers on the left/right keys on the keyboard.

- Make your sprite **move** with each step.
- Make it **turn 180 degrees** when it **touches** the edge of the screen.
- Set the sprite to mirror left/right when it turns.
- Duplicate the code and change the duplicate from **left right** to **right left**.

- Make three long wires by connecting three or four crocodile cables end to end.
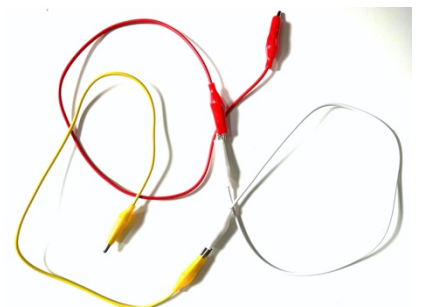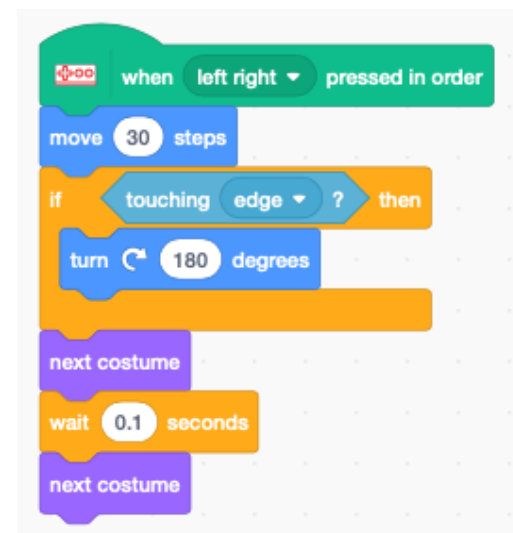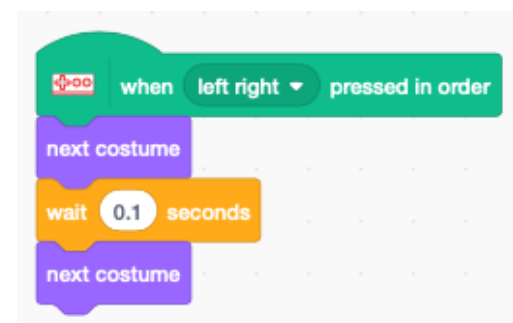
Two pressure mats are our left & right inputs. Each mat is an electric switch that closes when we step on it. The switch comes out to the two leads where you can see the wire.

- Put two pressure pads on the floor next to each other.
- Use a short crocodile wire to connect the metal tips of one wire from each switch.
- Attach a **long** crocodile wire to any metal part in this circuit and connect the other end to 'earth' on the Makey.
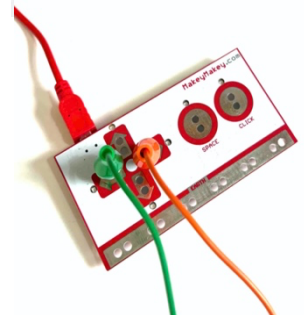
The other two wires are the left and right inputs (ignore the wires where you can't see the metal tips).

- Use a long crocodile wire to connect the other wire on the **left** mat to the **left** input on the Makey.
- Use a long crocodile wire to connect the other wire on the **right** mat to the **right** input on the Makey.
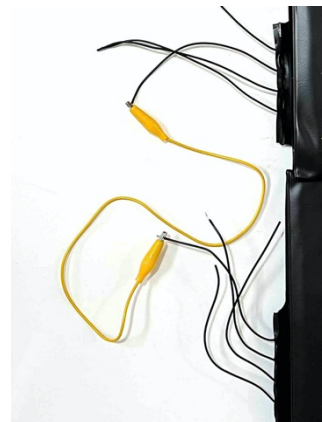
Try walking and running on the spot.

Materials:
- **Makey Makey**
- **Pressure mats**
  Solder the ends of the exposed wires to stop them fraying. We only use the two wires connected to the internal switch.