A cartoon of a person walking

Description automatically generatedA screenshot of a computer

Description automatically generated with low confidenceA picture containing text, graphics, font, logo

Description automatically generated

**Makey Walkie**

A screenshot of a chat

Description automatically generated*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.
* A screenshot of a chat

  Description automatically generatedDepending 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.
* A group of wires with wires in the middle

  Description automatically generatedDuplicate 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.

A black plastic bag on a wood floor

Description automatically generated*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.
* A yellow wire with black wires

  Description automatically generatedAttach 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.

A close-up of a plugged into a device

Description automatically generated

*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.*

A diagram of a circuit

Description automatically generated