

# How to make your own Dance Mat

This describes how to make a dance mat interface for your Scratch program.

**Ingredients:** Foam Tiles or equivalent, Four Large FSR (Force Sensitive Resistor) Pressure Sensors, Insulated Wire (Different Colours if Possible), Tape.

**Step 1:** Lay out foam tiles on the floor, in order to measure spacing for the wiring. Tape wiring to the floor, cutting wires to length and securing with tape.

**Step 2:** Plug in pressure sensors by twisting wires around the connectors and taping it, making sure that the wires do not touch each other.

**Step 3:** Lay matching set of foam tiles over the top of your wiring harness.

**Step 4:** Connect your new Dance Mat to the Scratch Sensor Board using the appropriate crocodile clips.

If you would like a more reliable or re-usable connection it is also possible to use a type of connector called a 'Molex' connector.

**Safety:** Please note that you use these resources at your own risk. Correct use of some components requires care.