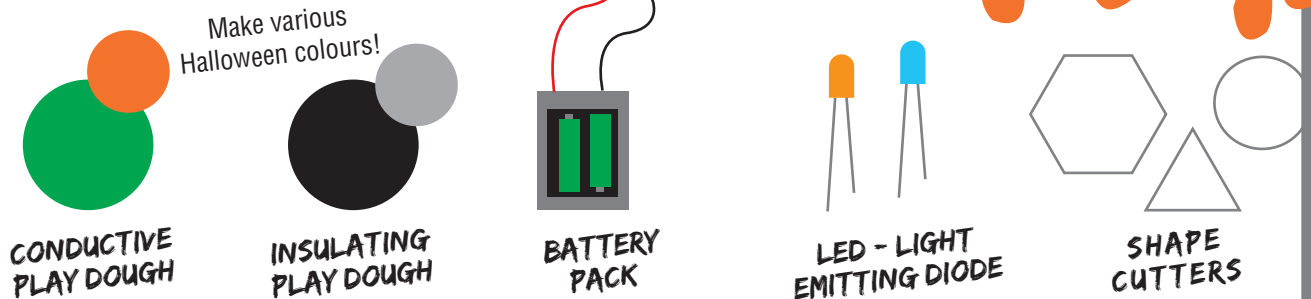


PLAY DOUGH CIRCUITS

You will need:



This project is part 3 of 3 worksheets exploring circuits and electrical conductivity. Now we use the dough you created in the last worksheets to create a working electrical circuit.

ADULT SUPERVISION RECOMMENDED FOR THIS PROJECT

Method:

Take 2 lumps of the conductive dough. Push the wires from the battery into each one. Push each leg of the LED into each lump.

Hint: Electricity only flows one way through an LED, so if the light doesn't come on, take it out, turn it around and poke the legs back into the dough

What happens if you press the 2 pieces of dough together?

Try placing a piece of the insulating dough between the pieces of conducting dough. What happens now?

Now with this knowledge why not get creative and see what you can make using your dough and LEDs. Use shape cutters or sculpt your own...

Share your results on social media

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The conductive play dough that you have made contains salt dissolved in water which conducts electricity. The insulating play dough contains sugar which does not conduct electricity.

