



## CIRCUIT CLOWNS

LEVEL OF DIFFICULTY



### OUTLINE OF ACTIVITY

A variety of electrical circuits are used to make a clown with a nose that lights up and a bow tie that spins.

### EQUIPMENT

Quantities are based on a **make** and **take** approach to produce 20 circuit clowns.

- clown template x 20
- correx
- coloured card
- batteries x 40
- holders x 20
- bulbs x 20
- bulb holders x 20
- insulated wire
- ping pong balls x 20
- aluminium foil
- motors x 20
- crocodile leads x 100

### SCIENCE CONTEXT

Electricity, to construct circuits using a battery or power supply and switches to make an electrical device work, for example a motor and a light bulb.

### SCIENTIFIC EXPLANATION

When a circuit is complete, electricity flows from the battery to a light bulb in the clown's nose and to turn a motor causing his bow tie to spin. Please refer to the electrical symbols shown below.

	battery		wire		switch
	2 batteries		buzzer		bell
	motor		bulb or lamp		