

RESOURCES NEEDED FOR WORKSHOPS

Most of the activities require everyday equipment found in most schools.

The Technology activities are linked to scratch or micro:bits – these are free online resources (*see links below*), and your local computer hubs may have micro:bits for you to borrow free of charge.

Micro:bit <https://microbit.org> | Scratch: <https://scratch.mit.edu>

Local Computer Hubs <https://teachcomputing.org/hubs>

WORKSHOP	RESOURCES
Musical glasses	Glasses, water and enthusiasm
Underwater sound	Empty Plastics bottles, water, wooden spoons, large tub of water (water tray)
Understanding noise	Table, sponge, plastic box and sound sources(noise)
Buggy challenge	Cardboard, paper, plastic tube (could be garden hose of the plastic from a thick felt tip pen), a ruler, 2 pencils or crayons more than 14cm long, Sellotape, scissors, blue tac, a round plastic pen bigger diameter than the pencil, a rubber band, 4 plastic milk bottles, and balloons
Ada twist	A variety of scents i.e safe essential oils, cooking essences (vanilla etc), spices. Small jars/containers i.e spice jars or film cannisters Cotton wool
NPL competition	Download the template, creative materials to create the poster
Electricity	Cell, cell holder, bulb, bulb holder, crocodile clips with wires, buzzer, motor, downloaded sheets
History of electricity	Secondary source resources, - access to internet or books, paper, ruler to create a timeline.
Rosie Revere	CD Hovercraft -CD-Rom, balloons, top of plastic bottle, pin to make holds, glue. Elastic band boat - Card, elastic bands, scissor.
Iggy Peck	Edible buildings – Range of biscuits, icing, melted chocolate. Bridge – spaghetti, glue gun
Robotic hand	Sellotape, cardboard, pen, pencils, paper or plastic straws. String, scissors
Litter picking	Gloves, binbags, handwash, wellies or sturdy shoes, Hi-vis jackets, worksheet to record waste, scales.
Wind turbine	2 plastic drinks bottle, scissors, water, screwdriver, pencil, strong glue, a round hollow object
Circuit game 1	Cereal box, crocodile clips. Aluminium foil, 2 lolly sticks, plastic clip, pen, scissors, Bulb, bulb holder, buzzer and cell and cell holder. Micro-bit
Circuit game 2	Circuit games from game 1