1. Gas Syringe

100mL ground glass syringe. Extremely useful for measuring and transferring fluids and gas samples, made of glass, sealed in individual pack, prominent calibration markings assures accurate measurements. Nozzle diameter 8mm.

Code	Description	Pack	Price
SYR1001	Gas syringe	Each	£17.25
BB1160	100mL gas syringe holder	Each	£33.40

2. Steam Generator

Thick-walled, aluminium can with nozzle for steam outlet. Two rubber stoppers - one solid and the other with a hole for a thermometer, a tripod stand and one sample cup with handle. Dims (l x w x h): 360.68 x 119.38 x 129.54mm.

Code	Pack	Price
PY2010	Each	£28.17

3. Kinetic Theory Model

This model provides an analogue form visual representation of molecular movement in gases. A piston, in a wide perspex tube, is vibrated by a low-voltage electric motor contained in a box supporting the tube. Tiny metal spheres, simulating gas molecules, are propelled upwards in a tube by the piston's vibrations. The movements of the spheres are seen to be random both in direction and extent. The motor is provided with a speed control. Higher speeds give more extensive movements of the spheres. The electric motor requires a 6V DC power supply capable of providing a current of 2.5A. For demonstrations to larger groups, illumination from the side and a black background are recommended.

Code	Pack	Price
EDU038	Each	£29.28

4. Whoosh Bottle

A 19L polycarbonate bottle for use in the 'Whoosh Bottle Demonstration'. The demonstration itself is visually impressive, showing how even small amounts of fuel can release a huge amount of energy. A mixture of alcohol and air are added to the bottle and then ignited. The result is a rapid combustion reaction, often accompanied by a dramatic 'whoosh' sound and flames. Different types of alcohol can be demonstrated to show differing effects: methanol and ethanol produce a very quick 'whoosh' where as using propan-1-ol or propan-2-ol leads to a slightly slower reaction. For safety reasons these cannot be carried out consecutively in the same bottle.

Only the bottle is supplied (without cap). The alcohol must be purchased separately.

Code	Pack	Price
X21955	Each	£14.32

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