

1. Lenz's Law Kit

Copper tube with viewing slot and containing one non-magnetised and one magnetised neodymium plug of identical sizes and weights, for demonstrating Lenz's law and the effect of eddy currents. Supplied with full supporting teacher's notes.

Code	Pack	Price
MAG3195	Each	£12.00

2. Lascells Splat the Rat

Lenz's Law can be demonstrated using the standard Eddy Current tubes whereby a magnet falls through a copper tube at a slower rate than an un-magnetised weight. The demonstration lends itself to a fun classroom activity based on the village fete challenge of Splat the Rat. Two 'rats' are supplied, one containing strong neodymium magnets and the other just a metal weight. 1m of copper tube and a foam-covered rounders bat completes the kit. In use, the challenge for the pupil is to hit the rat as it emerges from the tube. It gives a dramatic demonstration of Lenz's Law since the magnetised rat takes about 5 seconds to exit the tube.

Code	Pack	Price
MAG3802	Each	£57.08

3. Eddy Current/Lenz's Law Set

This kit consists of two tubes (made from copper and plastic, each about 250mm long) and two discs (a super magnet and an aluminium disc of a similar size). When the super magnet is dropped down the copper tube, it falls much more slowly than might be expected. The other tube/disc combinations do not show this effect, since eddy currents are only produced using the copper tube and the super magnet.

Code	Pack	Price
SESEP007	Each	£16.66

4. Magnetic Induction & Lenz's Law Kit

Pass the magnet through the coil to induce a voltage and current which lights the LED. The coil windings terminate in crocodile clips for easy attachment to the LED (supplied) or a meter (not supplied). Lenz's law is demonstrated by dropping the magnet down a copper tube. The induced current produces its own field of opposite polarity to the magnet, thus slowing its rate of descent to approximately one eighth of that experienced by the non-magnetic metal slug.

Code	Pack	Price
SEL1048	Each	£49.33

5. Induced Current Apparatus

Consists of a primary coil of insulated copper wire wound upon a cylinder with terminals, a secondary coil wound upon a cylinder into which the primary coil fits. A soft iron core fits the cylinder of the primary coil. Complete with terminals.

Code	Pack	Price
EDU095	Each	£44.13

