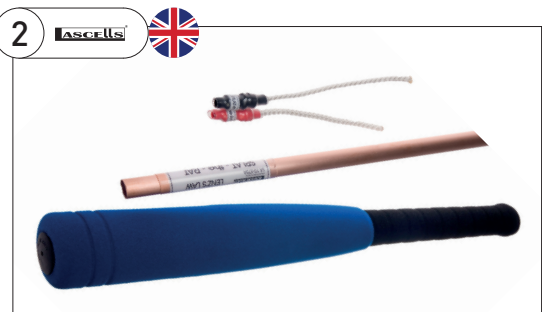




## 1. Lenz's Law - Open & Closed Loop

This kit teaches Faraday's law of induction as well as Lenz's law. Show how passing a magnet through a complete loop causes the device to move. No movement at all occurs when using the split loop.

| Code    | Pack | Price  |
|---------|------|--------|
| 221-005 | Each | £22.62 |



## 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 | £57.00 |



## 3. 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 | £51.80 |



## 4. 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 | £42.73 |

### SLS Lab Basics

Look out for  
our own brand  
of benchtop  
equipment!

