

# Product Information Sheet

## Basic Electricity Trainer



Includes  
Digital Curriculum

This STEM learning package has been designed to provide practical activities and real world problem solving tasks within the classroom or lab environment.

The Basic Electricity Trainer is a rugged, self-contained hardware unit that enables students to investigate practically a range of electrical components and simple circuits.

The on-board components may be connected together quickly and effectively using a combination of patching leads and shorting links. An industrial-quality digital multimeter is provided for electrical measurements.

This trainer includes access to digital curriculum materials including theory and practical learning tasks, as well as tutor support resources.

The trainer can also be used in conjunction with our optional cloud-based STEM curriculum software packages.

### Typical Topics Include:

- Electric Current
- Voltage
- Resistance
- Relationship between Voltage, Current and Resistance
- Switches
- Safety and Protection Devices
- Magnetism
- Motors
- Generators and Transformers
- Problem Solving

### Circuit Components Include:

- Batteries
- Switches (push-to-make, push-to-break, toggle, 2-way)
- Lamps x3
- LED indicators (red and green)
- Buzzer
- Generator/motor and coupling
- Relay
- Tapped resistor
- Light dependent resistor (LDR)
- Heater and thermistor

### Items Included:

- Basic electricity trainer
- Circuit connection leads and shorting links
- Handheld motor/generator and coupling
- Digital multimeter and connecting leads
- Power supply adapter
- Curriculum in Digital Format

### Other Items Required:

- Computer

### General Information:

Power Requirements: 110 – 240V 50-60Hz  
Trainer Dimensions: 360 x 80 x 250 mm (W, H, D)  
Packed Volume: Approx. 0.01 m<sup>3</sup>  
Packed Weight: Approx. 2.8 kg

**Order Code: 140-10**

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