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1. Electricity Kit, Advanced

Ideal for Key Stage 3 – contains all the components you need to effectively design and create more complex electrical circuits. Use the supplied digital multimeter to observe and measure your circuits. Investigate and convert the free energy of the sun to power your circuits. Also available magnetic backed for demonstration.

Contents:

- Auto ranging multimeter
- 2 x solar cells (3V 100mA each)
- 4 x battery cell modules (short circuit protected)
- Toggle switch module, push switch module, two way switch module, magnetic switch module
- Variable resistor module (100R 5W)
- Light dependant resistor module
- Buzzer module
- Diode module
- Motor module (solar type, low inertia)
- 2 x bulb modules (series & parallel investigations)
- Flashing LED module
- 10 x stackable test leads, 2 x test probes
- 2 x crocodile adaptor clips
- Resources CD-ROM with teaching guide & printable resources
- Gratnells storage tray & lid for easy classroom management

Code	Description	Pack	Price
EDU1024	Advanced electricity kit	Each	£161.20
EDU1024M	Advanced electricity kit with magnetic back	Each	£178.91

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2. Renewable Energy Kit, Advanced

Ideal for Key Stage 3 – allow students to generate their own power using this advanced kit. Learn about storing energy and which component uses more power to operate. Transfer the free energy of the sun to create solar powered circuits that produce light, sound and motion. Alternatively crank the handle of the electricity generator to create your own. Also available magnetic backed for demonstration.

Contents:

- Digital multimeter
- 2 x solar cell modules (3.0V 100mA)
- Electricity hand crank
- 4 battery cell modules (short circuit protected)
- 3 x bulb modules (series & parallel investigations)
- Blocking diode module, 2 x capacitor modules (5.5V 1F)
- Motor module (solar type, low inertia)
- Buzzer module
- White LED module
- Variable resistor module (100R 5W)
- Toggle switch module, two way switch module
- 10 x stackable plug in connecting leads
- 2 x crocodile adaptor clips for conductors & insulators experiments
- Resources CD-ROM with teaching guide & printable resources
- Gratnells storage tray & lid for easy classroom management

Code	Description	Pack	Price
EDU1026	Advanced renewable energy kit	Each	£172.38
EDU1026M	Advanced renewable energy kit with magnetic back	Each	£204.00