1. Renewable Energy Kit PLUS

Ideal for Key Stage 3 – allow children to generate their own power using this fantastic 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 x battery cell modules (short circuit protected)
- 2 x 6V bulb modules (series & parallel investigations)
- Blocking diode module
- Capacitor module (5.5V 1F)
- Motor module (low inertia solar type)
- Buzzer module
- White LED 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
EDU1028	Renewable energy kit PLUS	Each	£142.82
EDU1028M	Renewable energy kit PLUS with magnetic back	Each	£167.60

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BrightSparks Accessories

Individual plug & play circuit modules - can be used in addition to electricity kit and renewable energy kit bundles, as replacements, or mix and match.

2. Switch Modules

Enables you to 'Open or Close' a circuit. Available as the type of switch used in:

- A household light switch (EDU1032 toggle switch)
- Doorbells, car horns and game controllers (EDU1034 push switch)
- Household wiring where one switch can control two separate parts of a lighting circuit (EDU1066 two way switch)

Also available magnetic backed for demonstration.

Code	Description	Pack	Price
EDU1032	Toggle switch module	Each	£6.50
EDU1032M	Toggle switch module with magnetic back	Each	£7.75
EDU1034	Push switch module	Each	£6.50
EDU1034M	Push switch module with magnetic back	Each	£7.75
EDU1066	Two way switch	Each	£6.76
EDU1066M	Two way switch with magnetic back	Each	£9.15

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