

1



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.

Contains:

- Digital multimeter
- 2 x solar cell modules (3.0V 100mA each)
- Electricity hand crank
- 4 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 L.E.D. module
- Two way switch module
- 10 x stackable plug in connecting leads
- 2 x crocodile adaptor clips for conductors & insulators experiments
- In-depth resources CD-ROM with teaching guide & printable resources
- Supplied in Grattells transparent storage tray & lid for easy classroom management

Code
EDU1028

Pack
Each

Price
£137.01

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)

Code	Description	Pack	Price
EDU1032	Toggle switch module	Each	£6.55
EDU1034	Push switch module	Each	£6.55
EDU1066	Two way switch	Each	£6.98

3. Buzzer Module

Converts electrical energy into sound. It emits an audible tone when connected into a circuit. It is polarity sensitive and must be connected with the correct polarity (\pm) in order to operate. Changing the level of input voltage produces different sound level outputs.

Code	Pack	Price
EDU1040	Each	£7.54

2



3

