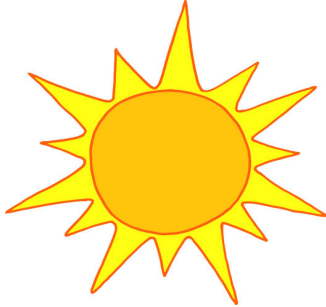


## **Solar Education Kit – Basic Model**

CAT: GE4016-01

### **DESCRIPTION:**



#### **Description:**

This kit of components permits the student to connect a solar cell to three different devices to see the conversion of light into electrical power.

The **Electrical energy** is then converted into:

**Mechanical energy:** ... to run a fan and to push air from one place to another

**Mechanical energy:** ... to vibrate a piece of material so it produces sound energy.

**Heat energy:** ... to heat a light globe filament so hot that it gives out light.

The kit consists of the following components:

- 1x Solar cell rated at 1.0 Volt and 400 mA under direct sunlight.
- 1x Electric motor specially designed to run at very low voltage.
- 1x Plastic fan to fit to the motor
- 1x Lamp socket and lamp of the correct rating to glow when 1 volt is applied.
- 1x Buzzer, suitable for very low voltage operation.
- 1x Pair of connection cables with Alligator clips at each end.
- Information & instruction sheet.

The novel packaging of the kit is very robust and easy to store and the strong transparent jar makes it easy to see if any parts have been lost. All kit parts are available as spares.

