

Electricity Kit is a trademark of the TTS Group LTD.

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They explore which kinds of material conduct electricity and which don't. connections to the insulator. Once they've added a rod they can see if the bulb still lights. and add one of the rods into it. The leads with crocodile clips on will be useful to make the build a simple circuit, for example a circuit to light the bulb. They can then modify this circuit The concept of conductors and insulators can be explored using these parts. Children can

Contents

- 2 x 3V lamps
- 1 x LED
- 1 x Red crocodile lead
- 1 x Push to make switch
- 1 x 3V buzzer
- 1 x 3.6V Motor
- 5 x Red 20cm 4mm leads
- 1 x copper rod
- 1 x aluminium rod
- 1 x Plastic storage case
- 1 x Black crocodile lead
- 5 x Black 20cm 4mm leads
- 1 x wooden rod
- 1 x plastic rod
- Conductors

The Electricity Kit contains everything needed to explore how electrical circuits are connected. The components are mounted using a transparent cover so students can see easily how each item works. All connections are made using high quality 4mm leads. All components are safely stored in a rugged storage case.

Electricity Kit



Please retain these instructions for future reference. Do not allow the product to come into contact with water or other liquids.

Important Information

Quick Start Guide

GB

Electricity Kit



Bitte bewahren Sie diese Anleitung für die Zukunft auf. Das Produkt darf nicht mit Wasser oder anderen Flüssigkeiten in Kontakt kommen.

Kurzanleitung

DE

Power Pods



Quick Start Guide

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Important Information

Please retain these instructions for future reference. Do not allow the product to come into contact with water or other liquids. In the event of static your PowerPod may malfunction. In this case use a paper clip to press the reset button. The Docking Station is not intended for children under 3 years old. The transformer is not a toy. The Docking Station must only be used with the recommended transformer.



Using your Power Pods

PowerPods are a safer alternative to using normal 1.5V batteries. A traditional 'C' or 'D' type cell can generate very large currents if accidentally shorted. This can cause large amounts of heat to be generated posing a potential risk to children. PowerPods automatically limit the output current to a safe value, in the event of the circuit being shorted. The PowerPods turn on automatically whenever a 4mm plug is connected into the PowerPod negative terminal. The power remaining is clearly displayed and an overload indicator lights to show when a misconnection or short circuit has occurred.

When the PowerPods require charging, simply place them back into the docking station so that they are always fully charged and ready for use. When charging the PowerPods, the red battery life indicator LED is on. When the battery life indicator LED turns green the PowerPods are fully charged. A completely discharged PowerPod will take approximately 16 hours to fully charge.

PowerPods can be used in exactly the same way as traditional 1.5V cells. They can be connected in series and parallel and can power the lamps, motors, LEDs and buzzers commonly found in primary electricity kits.

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4 Rechargeable Battery Units
and Docking Station

Quick Start Guide

