1. Electricity Magnetism & Materials V2 Kit

This kit provides a comprehensive range of practical assignments in electricity and magnetism, and is ideal for those who are studying science and electricity within a wide variety of academic or vocational courses. Includes component carriers, baseboard, power supply and storage trays. Curriculum, including experiments and teachers notes, is available to download, and covers the electrical properties of materials, electricity and electrical circuits. Suitable for Key Stages 3 and 4.

- Learning objectives/experiments:
- Electrical properties of materials
- Simple circuits
- Heat and magnetism
- Basic circuit symbols
- Current flow
- Series and parallel circuits
- Patterns of voltage and current
- Electrical sensors
- Relays and electromagnets

Code	Pack	Price
LK9071	Each	£260.12

1



2. Electrical & Electronic Principles Kit

The kit provides a comprehensive range of practical assignments for electricity and magnetism, and is ideal for those who are studying science and electricity at a more advanced level. The kit is supplied with a comprehensive set of worksheets and teachers' notes. Suitable for students of Physics aged 16 to 18.

To add PICmicro investigation to this kit, see LK5822. To add operational amplifier investigation to this kit, see LK6906.

Code	Pack	Price
LK9329	Each	£401.78

2



3. Energy & The Environment Kit

This course provides an introduction to renewable energy generation and energy saving measures through intelligent building control. As such, it addresses the aims of a number of courses in science and technology. A comprehensive set of curriculum worksheets and supporting documentation deliver experiments to illuminate the issues raised.

Learning objectives/experiments:

- Advantages/disadvantages of renewable energy sources: photo-voltaic, wind, wave, hydroelectric
- Solar cells and their operation
- Electricity generators
- Solar heating and energy storage
- Voltage regulation
- Efficiency of a filament lamp and LED lamp
- Insulation and double glazing
- Energy efficient building design using microcontrollers

Code	Pack	Price
LK7345	Each	£534.56

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