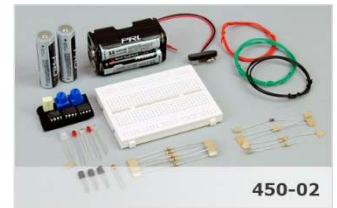


## Product Information Sheet

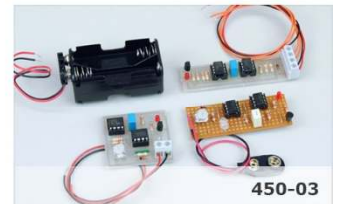
### Electronic Circuits Trainer Teaching Set



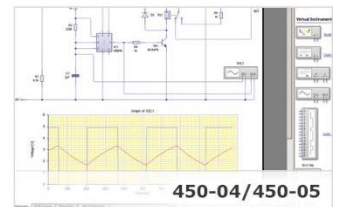
450-10



450-02



450-03



450-04/450-05

Our STEM learning packages have been designed to provide practical real world problem solving tasks and activities within the classroom or lab environment.

These activities will provide an engaging approach that helps instructors show contextualized linkages between Science, Technology, Engineering, and Mathematics.

Students will have access to hands on learning opportunities within our optional cloud-based curriculum software package. This easy to use software also contains theory presentations, virtual investigations, and support materials to underpin the practical tasks.

The Electronic Circuits hardware and resource packs can be used for class demonstrations as well as offering student practical circuit design and build activities either individually or in small groups.

This trainer includes a curriculum CD containing theory and practical learning tasks, as well as tutor support materials.

#### Typical topics and projects include:

- Lamp Circuit
- Polarity Tester
- LED Lamp Circuit
- Automatic Light Circuit
- Building on Breadboard – Automatic Light Circuit
- Improved Automatic Light Circuit
- Building on Breadboard – Anti-theft Device
- Flashing Doorbell
- Building Circuits on Printed Circuit Board (PCB)
- Lift Door Controller
- AC to DC Converter
- Baby Alarm
- Road Crossing Controller

#### The set is configured for up to 24 students and includes:

- 1 x Electronic Circuits Trainer (450-10)
  - Electronics patching board
  - Power supply
  - Mounted component set
  - Connection lead set
  - Digital curriculum (site license)
- 12 x Electronic Circuits Student Resource Packs (450-02)
  - Breadboard
  - Component Kit
- 1 x Electronic Circuits Class Consumables Pack (450-03)
  - Project PCB 'A' x 24
  - Project PCB 'B' x 24
  - Prototyping stripboard x 24
  - Components kit x 24
- Circuit Design and Simulation Software (25-user license) (1 x 450-04 initial 5-user license, 4 x 450-05 additional 5-user licenses)

#### Other Items Required:

- LJ Create Engineering or Technology Content (Optional)
- Computer with DVD Drive
- Digital multimeter
- Some tasks require access to an Oscilloscope
- Soldering Equipment

#### General Information:

Power Requirements: 110 – 240V 50-60Hz  
Packed Volume: Approx. 0.13 m<sup>3</sup>  
Packed Weight: Approx. 10.5 kg

**Order Code: 450-00**

P8601-B

For more information email us [info@ljcreate.co.uk](mailto:info@ljcreate.co.uk) or visit [www.ljcreate.com](http://www.ljcreate.com)