

Product Information Sheet

Sustainable Energy Production Student Resource Pack



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 STEM curriculum software packages. This easy to use software also contains theory presentations, virtual investigations, and support materials to underpin the practical tasks.

The Sustainable Energy Production Student Resource Pack offers a classroom based resource for practical investigation of alternative energy production techniques.

The kit includes an energy monitoring device which can connect to a PC for data capture during each of the practical investigations.

Capture power, voltage and current levels whilst performing experiments such as the reconfiguring of wind turbines or investigating the operation of a fuel cell.



Typical activities include:

- Solar Power
- Power from the Wind
- Wind Farms
- Hydrogen Fuel Cell
- Efficiency of Power Generation
- Turbine Efficiency

Items Included:

- Solar PV Cell
- Electrolyser and Fuel Cell
- Wind Turbine and Blades
- Renewable Energy Monitoring Unit
- Output and Load Devices
- Energy Monitoring Software CD
- USB Lead
- Table Lamp
- 9V Battery
- Storage Tray
- Safety Glasses

Other Items Required:

- LJ Create Engineering or Technology Content
- Computer
- 3 Speed Desk Fan
- Water

General Information:

Packed Volume: Approx. 0.024 m³
Packed Weight: Approx. 2 kg

Order Code: 100-02

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For more information visit www.ljcreate.com