

Energy Sparks for... Teachers

Energy Sparks provides extensive support to teachers and eco-teams in learning about energy and climate change within the context of your own school.

- ✓ Eco-team and curriculum linked energy saving activities.
- ✓ Energy related lesson plans and downloadable resources.
- ✓ Support for pupils in designing and carrying out experiments to monitor energy related data and behaviour patterns at school.



"The Energy Sparks website is very easy to use, and the children have found it interesting to measure how energy is used differently in different parts of the school... The children are motivated by the competitive element as well as the desire to save money and energy..."

Warrick Barton

Headteacher

Pensford Primary Schools, Bath and NE Somerset

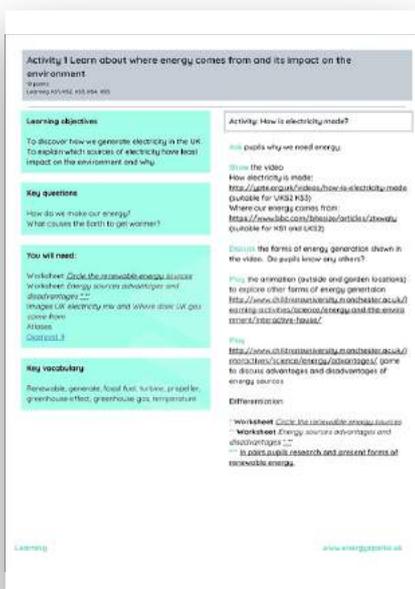
Built-in activities

Energy Sparks has an extensive list of built-in energy related activities and lesson plans from which you can choose. These are categorised by:

- **Education** level (Key stages)
- **Subject** (English, Maths, Science, Design & Technology, etc.)
- **Topic** (Climate change, Earth and atmosphere, Energy, etc.)
- **Timescale**

The majority of the activities and lesson plans are within the context of your school and make use of the extensive charting and analysis of your school's smart meter data provided on the website.

Completed activities or lessons can be recorded on the website for which your school will gain points. These points contribute to a scoreboard where you can compare your progress against other schools locally and nationally.



Teacher's dashboards

The starting point for teachers using Energy Sparks is your 'Teacher's Dashboard' which is specific to your school.

This provides a focal point for your energy related teaching, including:

- **Charts:** showing your school's recent gas and electricity use.
- **Alerts:** highlighting recent significant changes in your energy use, and hints and tips on how to reduce your energy consumption.
- **Suggested lessons and activities:** to make choosing a lesson plan or eco-team project easy, the dashboard provides a list of suggested activities. These are contextual to the time of year or a recent change that Energy Sparks has noticed in your energy usage.
- A **timeline** of completed activities and actions.



"The website is a great resource for adults and children with activities and data which allow children to apply their mathematical and scientific skills and knowledge.

I would highly recommend to any other school."

Jennie Nixon
Head of School
Whiteways Primary School, Sheffield

Pupil's dashboard

Energy Sparks has a separate dashboard designed for school pupils, which presents energy information in a more pupil friendly manner.

The content is focused on encouraging pupils to actively engage in promoting energy saving in the school and take part in energy saving activities. The dashboard aims to provide them with a greater understanding of energy and climate change.

Energy facts are introduced to help pupils understand the energy, monetary or climate impact of energy use within their school.

Support for pupils is provided in designing and carrying out experiments to monitor energy related data and behaviour patterns at school.



Freshford Church School used energy information provided by Energy Sparks to **reduce annual electricity costs by £740.**

Whiteways Primary School used energy information provided by Energy Sparks to **save 35% in annual gas use.**

Stanton Drew Primary School used Energy Sparks to **reduce storage heater costs by 28%.**

If you have any questions about Energy Sparks then please email us at hello@energysparks.uk
You can also contact us via social media:  @energysparks  @EnergySparksUK