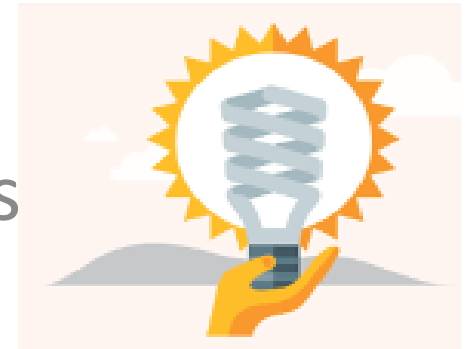


Greener Schools Award

Energy Saving examples





Level 1 – A team of pupils help to raise awareness and improve their school environment

Blossomfield Infant School

Team – roles

- Act as ‘Switch Off Leaders’ they carry out walkabouts checking electrical items are switched off
- Hold weekly switch off meetings where they discuss bills and assess each classroom

Raise awareness

- Members feedback walkabout results to their own class
- A celebration assembly is held each Friday
- Tokens rewarded to classes achieving 100% switch off and exchanged for money to buy something for class
- Provide information to classes on how they can improve



Level 1 – A team of pupils help to raise awareness and improve their school environment

St Anne's RC School

Team - roles

- Role model positive behaviour to support energy saving
- Keep a book to make notes and store ideas to share at meetings
- Carry out daily audits, take it in turns, have a rota
- Used thermal camera as part of Less CO2 programme

Raise awareness

- Posters they have created are displayed to remind everyone to switch off
- Trophy is rewarded to the best energy saving class



Level 2 – Engage the school in three local or national awareness campaigns, linked with sustainability

Energy awareness campaigns



November



March



November

May

St Patricks – Case Study

- Switch Off Fortnight – Eco-leader Sheela Fisher

Level 2 – Campaign 1

Switch Off Fortnight. GG 7

We have taken part in this campaign for the past three years now and each year has been different. This year we linked it to Climate Change.

The two weeks started with an assembly from a group of Year 6 children who researched, created and delivered a PowerPoint by a group of Year 6 children on the use of electricity, how we can reduce our use and the effects fossil fuel use has on climate change. Our energy monitors carried out a pre and post audit – it was a very dark and wet Autumn. Our savings over the two week period, on lights etc, were 21kWh.

On Friday 29th November our cooks provided a cold lunch. They used paper bags, tin foil and reusable juice cups. The children loved it! A member of staff commented that they would have liked a plate, a year 6 child replied that would require the use of the dishwasher which would need energy.

Each class took part in activities. The Infants used those from the website - join the pod.

Year 2 undertook Maths homework on the use of electricity at home and a materials lesson on batteries.

Year 3 had a session from Act on Energy

Year 4 Sarah Lardner AMR training

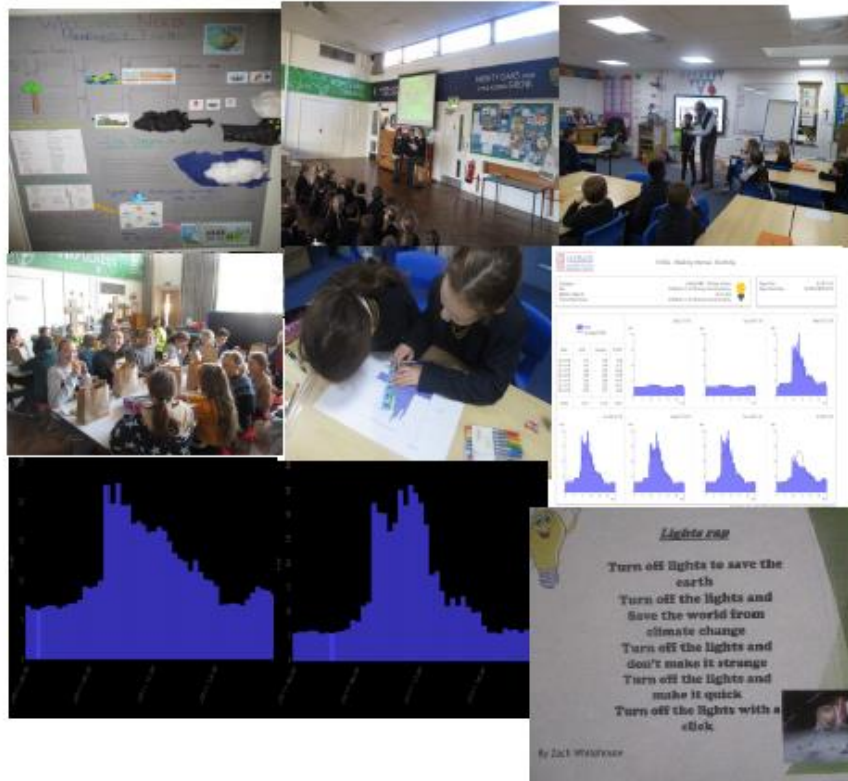
Year 6 undertook homework on alternative energy sources and the children thoroughly enjoyed this, so much so that they became mini-projects, including PowerPoints and a Lego battery operated car, which were displayed around the library.

22.11.2019 329.6 kWh

22.11.2019 270.1 kWh

Comparing the two Friday's shows some savings on the cold lunch day.

In addition to this, Year 6 child wrote a Light Rap.



St Patricks - Switch off Fortnight

- Taken part for 3 years
- Linked to climate change for 2020
- Began with assembly – year 6 researched and delivered PPT
- Energy monitors carried out pre and post audit
- Checked STARK readings for saving - 21 KWH (2 weeks)
- Cold lunch for a day – no energy and no SUP, compared energy use to previous week to find out savings.


St Patricks – Switch Off Fortnight

Energy - Teaching sessions

- Infants – The POD activities
- Year 2 – Homework (Maths) on use of electricity at home and materials lesson batteries
- Year 3 – Act on Energy delivered session
- Year 4 – Sarah L delivered session on AMR
- Year 6 – Homework on alternative energy sources (mini projects displayed around library included
- Light Rap

Balsall Common – Case Study

Energy activities - Eco-leader Birgitta Varga



Imagine if trees gave us
free WiFi,
We would be planting
like crazy

It's a pity they only
give us the oxygen we
breathe



Awards & Approach



GROW YOUR OWN POTATOES



Campaigns

Trips

Business

Community

School

Curriculum

Raise Awareness



A Year 4 class assembly to parents and KS2 about Global Warming

Energy Switch Off

Week	Mon	Tue	Wed	Thu	Fri	Sat	Sun
1							
2							
3							
4							
5							
6							
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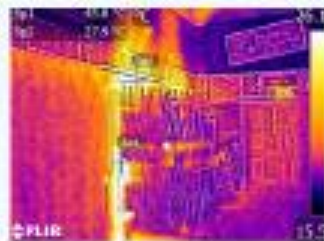
We have had multiple visitors that have spoken about energy, how much we waste, renewable energy and promoted our Switch Off campaign



Year 5 & Year 6's Christmas Carol performance song 'Save the World' had a strong impact amongst our audience.



Energy Audit & Carbon Neutral



Schools Energy Efficiency (energy audit)– Richard Smith
richard.smith@schoolenergyefficiency.co.uk



BCPS's CO2 emissions

Gas (last 7 days): 4,196kg

Electricity (last 7 days): 931kg

To offset our carbon (as an approx. guide) on below link the guidance is 1 TCO2 = 1 tree

- BCPS needs to plant 148 trees per year! <https://www.carbonfootprint.com>

Applied for tree plants: <https://www.woodlandtrust.org.uk/>



Past, Present and Future



LED lights

Windows

Boiler



No meat days

Food audit

ECO business

	2.10
	3.7
	2.6
	1.9
	3.9
	2.1



Level 3 – Introduce the Global Goals initiative to the whole school and find curriculum links



In 2015, world leaders agreed to 17 goals for a better world by 2030.



Science/Maths/Geography/DT

- Surveys of energy consumption/costs/savings
- Carbon footprint of homes/families/schools
- Sustainable energy – research/debates; rights and wrongs of nuclear/fracking
- Wind turbine designs/solar – how are these being used and developed worldwide?
- How is energy used/produced/wasted?
- Circular Economy – tinyurl.com/yxmqarza
- Cycles without waste in nature – water/carbon/nitrogen



- NAEE Publication -Environmental Education and the SDG's, exploring curriculum opportunities <https://naee.org.uk/latest-report-from-naee/>
- Solgrid ESD Webpages – Global Goal teaching resources <https://www.solgrid.org.uk/education/support-services/education-for-sustainable-development/>

Final speakers

- Schools waste contract

Ian Scattergood & Richard Lewis



- Solihull MBC Catering Team

Chris Townsend – Eco plan

- Act on Energy – Energy vouchers