

REDUCE



ENERGY WASTEBUSTERS MISSION

OBJECTIVE	To UNDERSTAND HOW USING ENERGY CAN IMPACT CLIMATE CHANGE. To RUN AN ENGAGING CAMPAIGN WITH THE SCHOOL To GET LIGHTS AND STAND BY ELECTRICAL ITEMS SWITCHED OFF, WHEN NOT IN USE.
EXPLORE	<p>FACT – Burning fossil fuels to produce energy also produces billions of tonnes of carbon dioxide (and other gases) every year. These stay in the atmosphere for many years, trapping more of our planet’s heat - causing climate change.</p> <p>Find out how your school can inspire students to save energy; to make savings and help tackle climate change with our Switch off Fortnight videos. N.B Switch Off Fortnight runs in November, but the campaign and materials can be used anytime throughout the school year to help you save energy.</p> <p>Part 1 and Part 2</p>
MISSION	<p>Measure your energy saving and greenhouse gas emissions. All you need to do is input four meter readings over three weeks and we’ll calculate your savings for you here - Pod Energy Saving Dashboard (you can check it anytime throughout the school year).</p> <p>Use campaign materials from the Pod and put-up Switch Off Posters around the school to remind pupils and staff to Switch Off lights and monitors when not in use. Included in your Planet Protector Pack are stickers which you can stick near light switches to remind pupils to switch off lights in empty rooms.</p>
REPORT	Electricity saved during the campaign (in kWh)? Gas saved during the campaign in m3? Overall carbon saved (in KGCo2eq)? (All this information can be found on the Pod Energy Saving Dashboard). How much money did your campaign save the school?
ENVIRONMENTAL BENEFITS OF THIS ACTIVITY	<p>LAND</p> <ul style="list-style-type: none"> ✓ Less raw material needed Secondary effects: Reduced habitat damage and reduced pollution from less mining ✓ Less energy needed Secondary effects: Reduced pollution from less energy production <p>AIR</p> <ul style="list-style-type: none"> ✓ Less raw material needed ✓ Less energy needed Secondary effects: Reduced pollution from less mining and energy production
LINKS TO NATIONAL CAMPAIGNS	Switch off Fortnight – 14-27th November

TOP TIPS FOR SAVING ENERGY

- Create pupil monitors to ensure;
 - lights are turned off when not needed,
 - doors are closed to keep heat in when cold
 - appliances are turned off when not being used and not left on standby.
- Make sure your boiler timings are correct and you are not having heating on when it is not needed (e.g. evenings and weekends).
- Turn your heating off just before the school is empty as it will keep warm for a period.
- Ensure you have LED bulbs where possible and when buying pay attention to;
 - Lumens – although the wattage is a good indicator of brightness some more expensive bulbs will be brighter for less wattage (800 lumens is the equivalent of an old 60W bulb)
 - Life expectancy - often more expensive bulbs will last a lot longer
 - Cycles - often LED bulbs give this detail that shows the average number of times a bulb can be switched on, then off
 - Colour - 2700K is warm white.