



JOURNEY DOCUMENT – BUILDINGS INCL. ENERGY



Position on the wheel	In- House Practices	Sharing the message		
		Colleague Engagement	Pedagogy and Curricula	Parents and Community
No priority for the environment	Electrical energy is obtained from various sources including fossil fuels. Building energy efficiency does not align with the latest standards. Electrical appliances are used without consideration of their environmental impact.	None	None	None
Some consideration for the environment	Energy Supply 1. Switch to a green energy supplier which only uses renewable sources. This is the key action here, as it is extremely important to achieve. If you are not the decision maker, you may need to discuss this with landlords etc. If you are already 'in contract' with a previous supplier, you can proceed to work on items below this, whilst waiting for a switch over date.	Workplace changes are shared with staff to enhance their understanding of environmental issues and encourage them to source home electricity from green sources and suppliers.	Children learn where energy comes from (see poster) and can distinguish between good and bad sources.	Families are educated about environmental issues and parents are encouraged to source their home electricity from green sources and suppliers.
	Building 2. Make sure heating is set to turn on and off at appropriate times. 3. If you have a hot water tank, make sure that the thermostat is set between 60-65°C. This is the optimum temperature range to save energy whilst preventing the growth of harmful bacteria (e.g. legionella). 4. Fit free-flow curtains, in all external doorways if doors remain open.	Workplace changes are shared with staff to enhance their understanding of environmental issues.	Children learn about the link between energy sources and heating.	Workplace changes are shared with parents to enhance their understanding of environmental issues



JOURNEY DOCUMENT – BUILDINGS INCL. ENERGY



Position on the wheel	In- House Practices	Sharing the message		
		Colleague Engagement	Pedagogy and Curricula	Parents and Community
Improvements making a difference	Building Heating and insulation- 5. If rooms are heated by radiators, install thermostatic radiator valves (TRVs). To save energy, set TRVs to keep rooms at the lowest comfortable temperature (18 – 21°C). Experiment with lower heating temperatures and wearing more layers in the winter. Ensure heating is used responsibly and only when necessary e.g. staff are not in T-shirts with windows open, when the heating is on! 6. Reduce the room temperatures by 1 degree C to use less energy Carry out an insulation review including roof cavities, wall cavities and windows (i.e. at least double glazing). 7. Ensure your heating source (likely a gas boiler) is as efficient as possible.	Staff are mindful of efficient and responsible building heating and adjust TRVs rather than open windows. Appropriate room temperatures are understood and considered.	Children are encouraged to keep warm by wearing appropriate clothing for their activities.	Parents are informed that heating is kept to a moderate level to conserve energy and they are encouraged to do the same at home.
	Energy 8. Lighting - Switch to energy efficient light bulbs (LED) which should be switched off when the room is not in use. 9. White goods – White goods are only used when necessary e.g. washing is dried outdoors rather than by tumble drier, when the weather permits. 10. The efficient use of white goods (e.g. eco modes) is considered and encouraged. 11. Replacement white goods are as energy efficient as possible. 12. Appliances - Ensure all devices go into sleep mode when temporarily not in use or switched off entirely when finished with.	Staff know to switch off electrical appliances when not in use. Energy use is reduced as much as possible, even when it requires more effort– e.g. hand washing dishes, hanging out washing.	Children learn to turn off electrical items when not in use.	Parents learn about the importance of reducing energy consumption



JOURNEY DOCUMENT – BUILDINGS INCL. ENERGY



Position on the wheel	In- House Practices	Sharing the message		
		Colleague Engagement	Pedagogy and Curricula	Parents and Community
Doing Really well	<p>Building</p> <p>13. Heating and cooling – Ensure that the type of heating/cooling is used and whether it could be made more efficient/less polluting by updating the system, if alternate technologies are not suitable.</p> <p>14. Make sure all buildings are properly insulated and align with the latest recommended insulation levels (i.e. 270mm of loft insulation.) Windows should be double glazed and cavity walls filled with insulation.</p> <p>15. If Air conditioning/comfort cooling systems are used set to 22°C or above.</p> <p>16. Monitoring - Install smart meters or appliance monitors to track, monitor and ultimately reduce energy usage. Energy reduction targets are set.</p> <p>17. White goods - White goods are largely used at off-peak times. The hours of 4-7pm on weekdays, should be avoided as these are the peak demand hours. This should be done even when using a green energy supplier, to reduce the need to install more renewable power generators to meet peak demand.</p> <p>18. Appliances - Switch off all devices which use standby power (computers, printers etc) when not in use i.e. overnight.</p>	<p>Workplace changes are shared with staff to enhance their understanding of both insulation and energy reduction. Staff are encouraged to improve energy efficiency and reduce their carbon footprint at home. Staff understand the long-term benefits of smart meters and energy monitors.</p>	<p>Children learn about ‘energy monsters’ in the building (electrical items that consume large amounts of energy).</p>	<p>Parents switch to smart meters and understand their energy usage. The steps taken in the workplace regarding both insulation and energy reduction are communicated to parents. This should encourage parents to improve energy efficiency and reduce their carbon footprint at home.</p>
	<p>Energy</p> <p>No energy is sourced from fossil fuels.</p> <p>Energy- Electricity is 100% green energy.</p> <p>Appliances and white goods- All energy consuming products are only used when necessary, are as energy efficient as possible and are used at off-peak times.</p> <p>22. Lighting- PIR (Passive infrared) sensors are fitted to lighting in rooms that are not in constant use, to ensure the most efficient use of lighting.</p>	<p>Staff understand the complexities of energy use and share their knowledge.</p>	<p>Children understand renewable resources and share their knowledge with friends and family. They understand that we need to reduce our energy consumption.</p>	<p>Parents are encouraged to buy energy efficient products.</p>
Gone Fully Green	<p>Building</p> <p>19. Heating and insulation- Heating is supplied from ground or air source heat pumps. All possible aspects of building insulation are up to the latest standards.</p> <p>20. All renovations, extensions and new buildings meet zero-carbon standards.</p> <p>21. Where appropriate fit solar panels to the roof of buildings to decentralise the energy supply and install battery storage to extend the usage of the solar generated power.</p>		<p>Children understand renewable resources and share their knowledge with friends and family. They understand that we need to reduce our energy consumption.</p>	<p>Parents are encouraged to fit solar panels and battery storage if appropriate.</p>
	<p>Energy</p> <p>No energy is sourced from fossil fuels.</p> <p>Energy- Electricity is 100% green energy.</p> <p>Appliances and white goods- All energy consuming products are only used when necessary, are as energy efficient as possible and are used at off-peak times.</p> <p>22. Lighting- PIR (Passive infrared) sensors are fitted to lighting in rooms that are not in constant use, to ensure the most efficient use of lighting.</p>	<p>Staff understand the complexities of energy use and share their knowledge.</p>	<p>Children understand renewable resources and share their knowledge with friends and family. They understand that we need to reduce our energy consumption.</p>	<p>Parents are encouraged to buy energy efficient products.</p>