



Curriculum Overviews: Key Stage 3

Resource	National Curriculum Subjects covered						Other skills		
	English	Maths	Science	Geography	PSHE	Citizenship	Careers:	Green Skills	UN Sustainable Development Goals
Assembly – Energy Equality	X	X	X		X	X		X	X
Workshop – Net Zero, what’s it got to do with you!	X	X	X	X	X	X	X	X	X
Empowering Careers – Careers in the Energy Sector	X				X		X	X	X



Key Stage 3 Assembly: Energy Equality

Session Aims – To discuss whether heat and electricity is a human right - Identify the extent of Fuel poverty in England – State what might make someone vulnerable and what the impacts may be – explore the cost of appliances and strategies to be more energy efficient.

English NC Links	Math's NC Links	Science NC Links
- learning new vocabulary, relating it explicitly to known vocabulary and understanding it	- develop their use of formal mathematical knowledge to interpret and solve problems, including in financial mathematics	- comparing power ratings of appliances in watts (W, kW)
Geography NC Links	PSHE NC Links	Citizenship NC Links
	H5. to recognise and manage internal and external influences on decisions which affect health and wellbeing H12. how to recognise when they or others need help with their mental health and wellbeing; sources of help and support and strategies for accessing what they need	- human rights and international law - the different ways in which a citizen can contribute to the improvement of his or her community, to include the opportunity to participate actively in community volunteering, as well as other forms of responsible activity - income and expenditure, credit and debt, insurance, savings and pensions, financial products and services, and how public money is raised and spent. - the precious liberties enjoyed by the citizens of the United Kingdom
Careers Gatesby Benchmark	Green Skills:	UN Sustainable Development Goals
	UNESCO Key Concepts 5.4 Energy consumption and carbon emissions - make informed choices about energy consumption and resource utilization - assess and reflect on personal and family energy consumption behaviours.	1 – No poverty 3 – Good Health and Well being 12 - Responsible consumption and production



Key Stage 3: Workshop

- Session Aims - Identify the government plans for Net Zero by 2025 - Discuss what the government targets practically look like - Discuss how a house can become energy efficient - Identify different renewable technologies - Consider some of the careers that are available because of Net Zero - Work collaboratively to design a net zero town within a strict budget.

English NC Links	Math's NC Links	Science NC Links
<ul style="list-style-type: none"> - giving short speeches and presentations, expressing their own ideas and keeping to the point - participating in formal debates and structured discussions, summarising and/or building on what has been said 	<ul style="list-style-type: none"> - select and use appropriate calculation strategies to solve increasingly complex problems - develop their use of formal mathematical knowledge to interpret and solve problems, including in financial mathematics 	<ul style="list-style-type: none"> - Earth as a source of limited resources and the efficacy of recycling - the production of carbon dioxide by human activity and the impact on climate. - comparing power ratings of appliances in watts (W, kW) - domestic fuel bills, fuel use and costs - fuels and energy resources.
Geography NC Links	PSHE Association Programme of Study	Citizenship NC Links
<ul style="list-style-type: none"> - understand how human and physical processes interact to influence and change landscapes, environments, and the climate; and how human activity relies on the effective functioning of natural systems 	L1. study, organisational, research and presentation skills L4. the skills and attributes that employers value L8. about routes into work, training and other vocational and academic opportunities, and progression routes L12. about different work roles and career pathways, including clarifying their own early aspirations	<ul style="list-style-type: none"> - the functions and uses of money, the importance and practice of budgeting, and managing risk.
Careers – Gatesby Benchmarks	Green Skills:	UN Sustainable Development Goals
2 – Learning from career and labour market information 4 – Linking curriculum learning to careers 5 – Encounters with employers and employees	UNESCO Key concepts 1.6 Renewable energy <ul style="list-style-type: none"> - compare the potential of different renewable energy technologies to reduce global warming (e.g. solar photovoltaics, solar thermal, hydropower) - value and argue persuasively for the use of renewable energy, explaining how it can reduce the problems that global warming is causing and may cause in future to humans and ecosystems. - engage in imaginative play, art or writing that might involve a world or setting powered by the sun and wind. 	1 – No poverty 3 – Good Health and well-being 7 – Affordable and Clean Energy 11 – Sustainable cities and communities 12 – Responsible consumption and production 13 – Climate Action



Key Stage 3: Empowering Careers Lesson

Session Aims –

English NC Links	Math's NC Links	Science NC Links
<ul style="list-style-type: none"> - learning new vocabulary, relating it explicitly to known vocabulary and understanding it 		<ul style="list-style-type: none"> - fuels and energy resources.
Geography NC Links	PSHE NC Links	Citizenship NC Links
	L4. the skills and attributes that employers value L8. about routes into work, training and other vocational and academic opportunities, and progression routes L12. about different work roles and career pathways, including clarifying their own early aspirations	
Careers NC Links	Green Skills:	UN Sustainable Development Goals
2 – Learning from career and labour market information 4 – Linking curriculum learning to careers 5 – Encounters with employers and employees	<ul style="list-style-type: none"> - promote the effective teaching of climate change and the knowledge and skills (in science, technology, engineering, and mathematics (STEM) and other key subjects) required for green jobs. 	5 – Gender Equality 9 – Industry, Innovation and Infrastructure 10 – Affordable and clean energy