

Launch

To launch our topic, we are going to conduct a series of investigations on how we can create energy! We will create models of a range of renewable energy sources to help us to understand how they work.



How sustainable is our community?



Key dates

Bank holiday: Monday 6th May
Friday 10th May Bournemouth library Big Stink Opera visit



Topic Overview

As Geographers, we will be learning about how we produce energy all over the world and why some locations are changing how they produce and use energy. To help us gain both an understanding and form our own opinions, we will use a range of geographical resources to consider how renewable energy is used and how this links to geographical diversity. By looking at geographical similarities and differences between countries, we will then be able to consider why some regions are interconnected or interdependent. As scientists, we will be using our knowledge of materials to plan and carry out experiments that will allow us to make comparisons. By planning enquiries that are fair, we will be able to compare materials based on their properties, observing and recording our findings before drawing conclusions. As artists, we will be exploring a range of techniques that will allow us to depict movement, shadows and perspective. To demonstrate this, we will be modifying designs and manipulating lines in various ways. In RE, we will be revisiting Humanism and exploring what motivates Humanists to lead good lives. We will consider how this motivation may shape their lives as well as the challenges they may face.

Vocabulary

Sustainability
Environmental
Magnetism
Force
Attract
Repel

Learning Conversations

What is sustainability? Why is sustainability important?

What are the 3 pillars of sustainability?

What are some examples of sustainability?

What are the benefits of sustainability?

Drivers

Enquiry - How sustainable is our school? We will be looking at how sustainable our school is by analysing data generated by our very own solar panels. We will then write a letter to Mr Tarchetti, advising him on how we could make our school even more sustainable.



Aspiration - Throughout our topic, we will be inspired by various countries and engineers, who have championed sustainability across Europe.

Topic Challenge - Due date: 20th May 2024

Can you design your own energy source? It might be something powered by a naturally occurring element, or even by us! You can present this in any way you wish, such as an annotated design, a PowerPoint or even a prototype.

Did you know?

- Humans currently demand 1.6 times more resources than Earth can regenerate!
- 98.4% of Norway's energy comes from renewable sources
- Some renewable energy sources can have environmental impacts, but they are a less polluting and more environmentally friendly alternative to fossil fuels, such as coal and natural gas.

Landing



We will be performing some of our poetry pieces in Winton Library and will invite parents, carers and residents from our local care home to come and enjoy them.