

Year 5

Theme: Water

Topic/Core Question:

Sustainable energy – how can water help?

Learning Stimuli: Severn Trent Water

Helping Lights Shine for All

The children will learn about different sources and locations of sustainable energy around the UK and the rest of the world. Children will consider the impact of hydro-electric and ocean-based wind farms. This will be linked to energy consumption at school and at home and how this could be reduced.

As global citizens and change-makers (History, Geography, RE & P4C):

Using our map skills, we will explore the distribution of natural resources in the UK and around the world. We will understand the use of different sources of renewable energy, and consider their impact on our world through use of thinking maps and graphs. We will also consider the way we can make a positive impact on the world and climate change through the choices we make at home and in our community.

As scientists and problem-solvers (Science, DT, Computing & P4C):

We will explore and answer questions about the properties and changes of materials. Working scientifically, we will plan and carry out investigations to compare and group together every day materials on the basis of their properties, for example, their hardness, solubility, transparency and conductivity. We will also use our knowledge of solids, liquids and gases to decide and demonstrate how mixtures might be separated, to recover a substance from a solution.

As communicators & collaborators: (Literacy, Maths, Art, Music, MFL, P4C):

We will look at the work of Claude Monet as inspiration to plan and create our own water themed paintings, by using paint to create different effects through textures and colour including tint, tone, shade and hue. In music, we will develop our confidence in performing through singing in parts, as well as playing instrumental parts with control of dynamics, rhythm and pitch.