



Learning Exploration: Wild Wind and Waves

This exploration aims to develop children's understanding of the natural resources in our local area as well as contrasting locations in the U.K. to enable them to develop a deeper understanding of how different locations are suited to particular energy sources. As year five are developing as independent global citizens, it is important for them to gain an understanding of where energy comes from and how they can actively support achieving the global goal of renewable and clean energy. Due to living in an area with a high concentration of wind energy (including proposed offshore wind farm developments) as well as large amounts of solar energy sources, this exploration allows children to evaluate the impact on the physical and human geography of our area in comparison to other locations.

Hook into learning:

In Year 5, the children will create their own miniature wind farm to explore how we can harness natural resources.

Journey through the exploration

Wild Wind and Waves will begin by exploring the UK as a whole and the renewable energy which is used here by answering the key question, **what are the different sources of renewable energy in the UK?** Following this, year 5 will focus on renewable energy within our local area by exploring the key question **where are wind farms located in our locality and why are they located in these places?** This will allow children to use their mapping skills to justify why these locations are suitable. Throughout the exploration, children will evaluate the impact of renewable energy sources through the key questions **how is renewable energy changing land use in different locations (including Devon, Yorkshire and South Wales)** and **how is renewable energy affecting the lives of people?** Having explored the impact of local renewable sources, children will compare and contrast the impact of fossil fuels on human and physical geography evaluating the question, **how have some human processes made changes that are irreversible and how can we limit the impact of some of these processes?**



Linked subjects

Through this exploration, learning will be linked where appropriate, including in the following subjects:

- Geography
- Global Learning

The following subjects will be taught discretely:

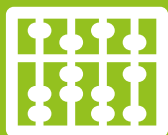
- Science
- Computing
- Art
- Music
- PE
- RE
- PSHE



Maths

Children will explore:

- Place Value
- Addition and Subtraction



Writing

Children will explore the following genres of writing:

- Narrative: The Tear Thief by Carol Ann Duffy
- Non-Fiction report: The Everyday Journey of Ordinary Things by Libby Deutsch and Valpuri Kerttula

Opportunities for writing across the curriculum:

- Persuasive writing from a particular perspective – Geography



Opportunities to build cultural capital

Cultural capital is the essential knowledge that pupils need to be educated citizens, introducing them to the best that has been thought and said, and helping to engender an appreciation of human creativity and achievement.

At NCSPA, we aim to build cultural capital through experiences such as trips, visitors, music and providing local links.

For Year 5, options this term may include:

Visits from representatives from Fullabrook Wind Farm and South Molton Biomass Plant.

Opportunities to address Equality, Diversity and Inclusion

Developing empathy for others, children will explore how different groups of people may feel about different energy sources and how their lives may be affected.



Opportunities for shared outcomes

Children will have the opportunity to produce or take part in one or more of the following:

- A year group book based on the text 'Everyday Journeys of Renewable Energy'
- Shared art outcome
- Working within groups to debate over the issues of wind farms being built within our local area, children will have to create an argument from the perspective of a particular stakeholder



Further curriculum information

If you would like any further information regarding the curriculum, please:

- Speak to Mrs Hemmings, Mrs Edgell or Mrs Tomlin.
- See your child's class information on Seesaw.
- Speak to Mrs. Gregory, our curriculum lead.
- Visit the Curriculum pages on our website.

