



Year 6

Where does our energy come from?

By the end of this unit children will:

In our topic about Energy, children will develop an understanding of energy sources and their trading routes. They will consider the benefits and drawbacks of different energy sources, such as renewable and non-renewable energy. They will then use digital maps and OS maps to locate and analyse human and physical features to identify land use and energy sources. Following this research, they will then decide on an appropriate way to generate energy for a new development and justify how and why. Finally, they will conduct some fieldwork, collecting and presenting data on where to position a solar panel on the school grounds.

Sensational Start

Using household junk, we will be creating useful items to reuse around school.

Extraordinary Extra

Outdoor Learning Day —
Climate Change Dodgeball.

The Greenhouse Effect
experiment.

Decomposition Rates
Game.

Reduce, Reuse, Recycle
Relay.

Fabulous Finish

Fieldwork

We will conduct some research and take a walk around the school deciding the best position for solar panels.

Key dates:

Hillary Class Assembly, Wednesday 13th November

SATs information evening
Wednesday 27th November at 6pm

Steel pans concert
Wednesday 4th December at 2.45pm

Christmas Concert
Thursday 19th December

PE days

Fields

Tuesday and Wednesday

Hillary

Tuesday and Thursday

**Core Subjects:
Links to theme**

Where does our energy come from? —Theme Content—National Curriculum links

English

Key Texts
Old Enough to Save the Plant
Sherlock Holmes

Maths

Number: Fractions, decimals
and percentages
Measurement: Converting
units

Science

Classification of Living Things—
Describe how living things are clas-
sified into broad groups according
to observable characteristics and
based on similarities and differ-
ences, including micro-organisms,
plants and animals.

Foundation Subjects

Geography

Identify renewable and non-
renewable energy sources
Recognise how the USA and UK gen-
erate energy.
Give reasons why some energy
sources are better than others.
Suggest a suitable location for solar
panels around school

Music

Steel pans
We will be continuing lessons
from Bedford Music Hub in Steel
Pans. The children will be bene-
fitting from weekly teaching with
a specialist music teacher, cul-
minating in a live performance
to parents.

French

French Football Champions
To explore French football vocabu-
lary through a variety of language-
learning techniques.

Computing

Programming
Using the programming lan-
guage of python to create
computer generated art.

Art and Design Unit

Lino printing
The children will learn about Ger-
man Expressionism and lino print-
ing. They will create their own self-
portrait lino prints in this style.
Slogan Art
The children will create a slogan
poster thinking carefully about the
message, font and composition,
painting with accuracy.

PE

Hockey
Tag Rugby

RE

Community—
What will make our
community a more respectful
place?

DT

Cookery
Create a sustainable menu using
locally sourced ingredients.
Textiles
Using sewing skills to create a
hanging ornament.

RSE & British Values

Celebrating Differences
Rules of Law