# **Energy Sustainability Day**

## **Energy sustainability day**

A day for pupils to learn about renewable energy & insulation and their role in reducing green-house gas emissions. They will carry out an investigation of the effectiveness of different types of insulation and find out about the role of the sun in photosynthesis and in generating electricity. Students will explore some of the sustainable features which help Suntrap to reduce our green-house gas emissions. They will have the opportunity to demonstrate their understanding of climate action through an achievable personal behaviour change.



## **Learning objectives**

- to understand that changes to the climate is a natural process, but that the heating of the atmosphere has speeded up through human activities releasing greenhouse gases
- to define renewable energy sources
- to explain how sustainable features help to reduce green-house gas emissions

## Some suggestions for visit preparation

1. Discuss "what is climate change?" as a class.

# Follow on suggestions

1. Write to your local councillor/MP about why climate action is needed.

# National curriculum links Y5 Science

## Properties and changes of materials

- compare and group together everyday materials on the basis of their properties including their conductivity
- give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials

## Y6 Science

#### **Evolution and inheritance**

 identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution

#### **Electricity**

- associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit
- compare and give reasons for variations in how components function, including the brightness of bulbs

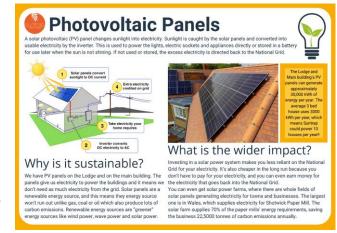
## Geography

## Human and physical geography

the distribution of natural resources including energy and water

#### Geographical skills and fieldwork

use maps to describe features studied use symbols and key





Click <u>here</u> to read our day visit risk assessment