Year 6 – Autumn Term 2 – Is climate change a problem? (Geography)

Cross Curricular: Writing:
Write a letter to local MP persuading them to act against climate change.

NC Objectives:

- Plan their writing by identifying the audience for and purpose of the writing
- Select appropriate grammar and vocabulary, understanding how such choices can change and enhance meaning
- Précising longer passages

Cross Curricular: Science:
Electricity
Pupil will work scientifically to make a circuit for their wind turbine.

NC Objectives:

- 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, the loudness of buzzers and the on/off position of switches
- Use recognised symbols when representing a simple circuit in a diagram.

Cross Curricular: DT Link
Children to design and structure their own wind turbine which will be operated by circuits made in Science.

NC Objectives:

- Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design
- Select from and use a wider range of materials and components according to their functional properties and aesthetic qualities
- Apply their understanding of how to strengthen, stiffen and reinforce more complex structures
- understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors]

Geography NC Objectives:

Geographical skills and fieldwork

- Use maps and digital computer mapping to locate countries to describe features studied.
- Understand and use a widening range of geographical terms e.g. specific topic vocabulary.

Locational Knowledge

- Name and locate countries and cities of the United Kingdom, geographical regions and identifying human and physical characteristics, key topographical features (including hill, mountains, coasts and rivers) and land-used patterns; understand how some of these aspects have changed over time.

Human and physical geography

- Describe and understand key aspects of physical geography including: climate zones, biomes, rivers, mountains, volcanoes, earthquakes, the water cycle.
- Describe and understand the key aspects of human geography, including: types of settlements and land use, economic activity including trade links and the distribution of natural resources.



Cross Curricular: Reading:
The boy who harnessed the wind by Bryan Mealer and William Kamkwamba

NC Objectives:

- Identifying and discussing themes and conventions in and across a wide range of writing
- Drawing inferences such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence
- Participate in discussions about books that are read to them and those they can read for themselves, building on their own and others' ideas and challenging views courteously

Cross Curricular: SMSC

- Moral and Social: To understand how climate change affects people and communities around the world, particularly those most vulnerable, and recognise our responsibility to protect the environment.
- Spiritual and Cultural: To reflect on the importance of caring for our planet, respecting different perspectives on climate change and recognising our role as responsible global citizens.