



## Emergency Planet Earth

Year 5

Spring 2

### Study overview

This Geographical topic will study our planet and the environmental impact of humans on the Earth. This will build on the children's understanding of pollution, weather systems and natural disasters and deepen their understanding of all three, including the impact of climate change on these things. In looking at these the study will also incorporate a study of global regions, tropics and poles, climates zones, biomes and vegetation belts. The children will also engage with a study of what they can do to make the planet sustainable in the future.

### Key Vocabulary

Climates zones, polar, temperate, Mediterranean, arid, tropical, mountain, greenhouse effect, ocean current, altitude, latitude, prevailing wind, greenhouse gases, carbon dioxide, methane, biome, rainforest, savannah, grassland, tundra, aquatic, ecosystem, biodiversity, deforestation, fauna, flora, habitat, extinction, species, vegetation belts, social justice, decision tree, Paris Agreement, reversed, climate activist, leader

### National Curriculum Objectives

- To describe and understand key aspects of: physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle
- To use fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods, including sketch maps, plans and graphs, and digital technologies.
- To locate the world's countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities.

### Knowledge to be gained

To know:

- what the major issues are for the world in relation to climate change and pollution
- how people can change behaviours of limit the impact of climate change
- how weather systems are changing as a result of climate change
- the impact of pollution on animal life across different biomes

## Key Texts

- The Last Bear by Hannah Gold and Levi Pinfold (class text)

## Supplementary Texts

- Greta and the Giants by Zoe Tucker
- Earth Heroes by Lily Dyu
- The Lost Whale by Hannah Gold and Levi Pinfold
- Great Women who Saved the Planet – Kate Pankhurst
- Sky Dancer – Gill Lewis

## Key Experiences

Trip to Linnet River taking and analysing samples of river water

## Linked learning in English and Grammar

**-Mystery story** – creating an exciting opening, conveying character, using dialogue to advance the action, maintain a cohesive plot.

**-Persuasive letter to local MP about climate change/ plastic pollution:** emotive language, rhetorical questions, using PEE structure, fact versus opinion, revising using a colon to introduce a list.

## Linked learning in Art and Design

**Environmental Photography** The children will investigate light and explore photographing everyday items. We will be bringing our photography and drawing skills together to create something new.

## Linked learning in Design Technology

N/A – Art focus this half term

## Linked learning in Science

**Living Things and Their Habitats** Children will understand the life processes of a plant and different animal groups. They will know about the life and work of Jane Goodall and David Attenborough.

## Linked learning in History

History is not explicitly taught this half term, but through Science and Geography, children will learn about the development of ideas about climate change in the last 50 years, as well as the work of famous conservationists.

## Discrete learning in Music:

### Film music

Exploring and identifying the characteristics of film music. Creating a composition and graphic score to perform alongside a film.

## Discrete learning in PSHE

The class look at the risks linked to smoking and alcohol misuse. They are taught basic emergency procedures and how to contact the emergency services when needed. They discuss how body types are portrayed in the media.

## Linked learning in Physical Education

**Hockey** – refine dribbling, passing and attacking skills; develop transitioning from defending to attacking.

**Basketball** – develop marking and shooting skills; introducing officiating; apply strategies to a game.

## Discrete learning in Religious Education

### What is the great significance of the Eucharist to Christians?

The children will make links that show how a Christian's belief in 'giving thanks to God' in prayer and worship follows the Bible's teaching. They will ask questions about groups people belong to as a result of who inspires them or who they want to remember, including Christians.

## Discrete learning in Computing

### Creating media - Introduction to vector graphics

In this unit, children will learn how to use different drawing tools to create images. They will recognise that images in vector drawings are created using shapes and lines, and each individual element in the drawing is called an object.

## Discrete learning in MFL

### French-speaking world

Children will practise reading and giving directions in French. They will use sentence stems to ask and answer questions about different countries in the French-speaking world.