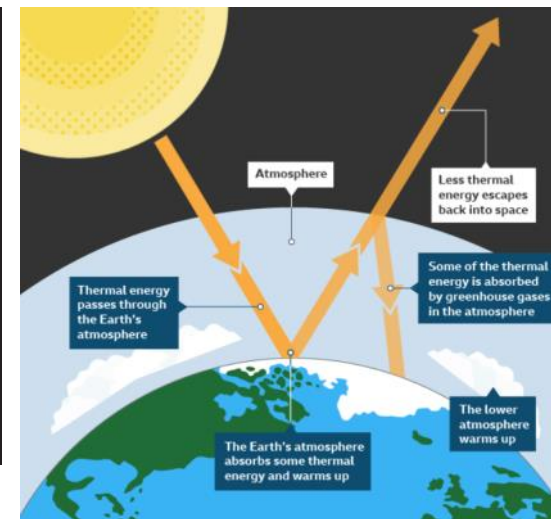


Year 5 Spring 2: What impact are we having on the world?

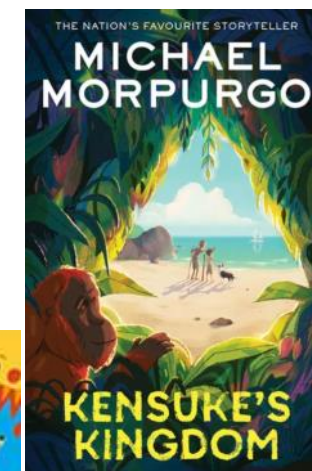
Climate Change and Global Warming	<p>"Global warming" refers to the rise in global temperatures due mainly to the increasing concentrations of greenhouse gases in the atmosphere.</p> <p>"Climate change" refers to the increasing changes in the measures of climate over a long period of time –</p>
Extreme Weather	The main types of extreme weather include heat waves, cold waves and heavy precipitation or storm events, such as tropical cyclones.
Weather Patterns	Weather patterns are consistent weather conditions over an extended period of time.

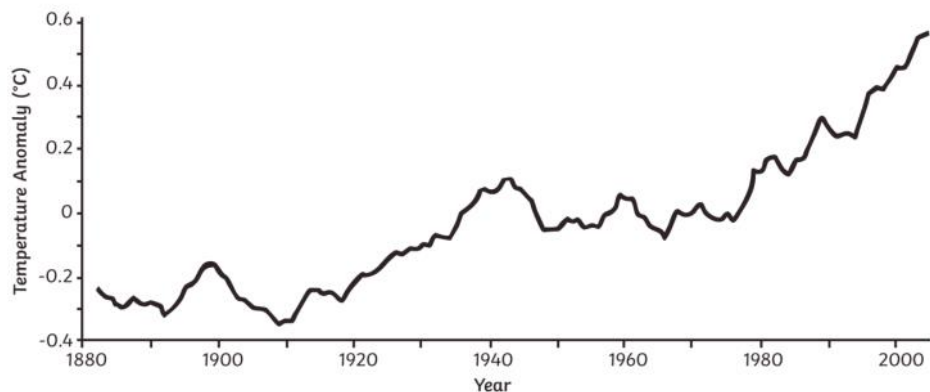


Key Vocabulary

Climate	Climate is a description of the average weather conditions in a certain place for the past 30 or so years. Different areas of the world have different climates. We call these climate zones.
Global warming	Global warming is often referred to in the news or in conversations about the weather.
flood	When water overflows onto dry land, a flood takes place. Floods have always been a part of life on Earth. Almost every culture has a legend about a great flood. Since ancient times people have built their cities along rivers because they use the water for drinking and for farming. River floods therefore affect many people.
drought	A drought is a period of drier-than-normal conditions. A drought can last for days, months or years.
Sustainability	If something is sustainable, it can be carried on for a long period of time. Being sustainable means doing little or no harm to the environment. Throwing plastic bags away is not sustainable because the planet will eventually run out of landfill space.
Greenhouse gases	Some gases in the atmosphere, called greenhouse gases, trap escaping thermal energy. This causes some of the thermal energy to return to the surface and warm it up. This is called the greenhouse effect. It is much hotter standing in a greenhouse or sitting in a car with the windows up on a sunny day than a cloudy one for the same reason. As there are more greenhouse gases in the atmosphere, the Earth is getting hotter.

Key texts





Science

- To know the differences in life cycles between mammals, amphibians, insects and birds.
- To know how plants reproduce both asexually and sexually.
- To know about the different ways of pollination.
- To observe how plants develop, grow and change over time.

Geography

- To recall weather patterns within seasons.
- To identify natural and physical causes of climate change.
- To investigate extreme weather in the UK.
- To investigate the impact of drought in the UK and Africa.

Design & Technology

- To know how to investigate existing products.
- To know that electrical components can be programmed.
- To know how to programme a micro: bit.
- To build a thermometer using the micro: bit.

Computing

- To use a form to record information.
- To compare computer- and paper-based databases.
- To explain tools which sort and group data.
- To understand how computer programs can be used to compare data visually.

RE

- To know about Hindu Dharma.
- To know how Hindus can achieve moksha.
- To know how Hindus support togetherness.

Maths

- To know how to multiply fractions and find fractions of an amount.
- To understand decimals as hundredths and thousandths.
- To round, compare and order decimals.
- To understand decimals and percentages and how these relate to fractions.

Spelling

- Revision of Year 5/6 spelling words.