



Moorside Community Primary Academy - Theme Overview

Year: 5

Term: Spring 1 Theme: The Eye of the Storm



Key Learning

1	To locate the continents on a world map.	Use a range of maps & other sources of geographical information.
2	To identify lines of latitude, longitude & other key markings on a world map.	Explore the significance of the lines of latitude & longitude & the tropics.
3	To identify the climate zones on a world map.	Look at the climate zones in relation to the Earth's movement around the sun.
4	To explore biomes.	Find out about the 7 main biomes of the world.
5	To explore the Greenhouse Effect.	What causes the 'Greenhouse Effect' and how it affects our climate.
6	To explore global warming/ climate change.	To show an understanding of global warming and its cause.
7	To explore extreme weather.	To research extreme weather around the world.
8	To explore possible links between climate change & extreme weather.	Express & explain opinions on geographical & environmental issues.
9	To look at why climate change is at the top of the international agenda.	Show an understanding of major issues affecting the world. Think about who's responsibility it is.
10	To explore whether extreme weather events should be called 'national disasters'.	Take part in a debate arguing for & against.

Key People/Places/Facts

1	Boxing Day 2004	Huge tsunami hits Indonesia.
2	22 May 1960	Worst earthquake – Great Chilean Earthquake
3	1998 Hurricane Mitch	Central America (Honduras & Nicaragua) 11,374 casualties
4	Nasa – Melting Ice Caps	Melting at a rate of 9% per decade. The thickness of the Arctic ice has decreased by 40% since 1960.
5	United Nations Summit 2019	Antonio Guterres – the UN is key to making climate top of the International agenda.
6	2019 Climate Change Summit	Greta Thunberg 'How dare you' speech in North America
7	Sir David Attenborough	Famous naturalist who promotes a change in attitude & human actions towards the planet.
8	COP26	Climate change summit in Glasgow
9	Dec 2021	Worst tornados in US history
10	Strom Arwen Nov 2021	Caused flooding around the north of England

Big Questions

1	What climate changes are happening around the world?	Is there a relationship between extreme weather & human actions?
2	Why are there currently more extreme weather events than there were previously?	Why do you think young people are very concerned about climate change?
3	What are the main causes of climate change?	What evidence is there to prove/ disprove a link between the cause & effect of human actions?
4	How can human actions change/ improve the environment & climate change?	Whose responsibility is it to look after the planet?

Vocabulary

	Climate	Equator	
	Global warming	Climate change	
	Temperate	Tropic of Cancer/ Capricorn	
	Polar	Arid	
	Longitude	Latitude	
	Tropical	Mediterranean	
	Continent	Hurricane	
	Planet	Tsunami	
	Tectonic Plates	Biome	
	Greenhouse Effect	Tornado	

ENGLISH

Reading

- Non fiction texts about extreme weather events, climate change, Greenhouse Effect, biomes.
- Bug Club – continue the King in the Car Park.

Writing

- Information text about biomes
- Biography of David Attenborough.
- Newspaper report about an extreme weather event
- Write an adventure story
- Book review
- Write and present a weather forecast

Grammar

Novel – The Wreck of the Zanzibar by Michael Morpurgo

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SCIENCE – Forces

Learn about the forces of gravity, friction, air & water resistance. Explore mechanisms including levers, pulleys & gears & how they affect movement. Explore falling objects & the effects of air resistance. Explore the effects of friction on movement & how it slows objects down. Find out how scientists such as Galileo & Isaac Newton helped to develop the theory of gravitation.

Vocabulary – attract, contact, distance, force, friction, lever, pulley, gravity, push, pull, repel, water/ air resistance, surface, gears, streamlined, buoyancy, buoyant, mechanism.

MATHS

- Multiply up to 4 digits by 2 digits
- Solve problems using multiplication
- Short division
- Divide a 4-digit number by a 1-digit number
- Short division
- Efficient division
- Dividing with remainders
- Solve problems with division
- Arithmetic strategies.
- Problem solving involving money.

ART

Create portraits and self-portraits using a variety of materials and compositions, Children will experiment with materials and techniques to develop their portraits. They will research a variety of portrait artists and explain their opinions of their work using specific vocabulary.

DT – not this half term

MUSIC

Focus on the song 'Dancing in the Street' by Martha and the Vandellas. The children will follow an integrated approach where games, the dimensions of music (pulse, rhythm, pitch) singing and playing instruments are linked.

COMPUTING

Learn to use & manipulate Word & Powerpoint in order to present work. Create & save documents with increasing confidence, alter text font & size, insert & manipulate images, insert hyperlinks, use spell check.

RE Sikhism

What is the best way for a Sikh to show their commitment to God? Following on from prior learning about the beliefs of Sikhs. Children will explore the Gurdwara and Sewa. The children will be able to describe how different practices enable Sikhs to show their commitment to God and understand which of these are the most significant.

PSHE – Dreams & Goals

Know that money is needed to help achieve some dreams: know about a range of jobs & their earnings; identify a job they would like to do in the future & how they could achieve that goal; Look at dreams & goals in a different culture; know that we can learn from other cultures & understand how we can support each other.

LANGUAGES

Celebrations – learn the months of the year. Learn the vocabulary for sports and activities and put them into a simple sentence.

