



Moorside Community Primary Academy - Theme Overview

Year: 5 Term: Autumn Two Theme: The Eye of the Storm

Key Learning

1	To locate the continents on a world map.	Use a range of maps and other sources of geographical information
2	To identify the lines of longitude, latitude and other key markings on a world map.	Explore the importance of the lines of Longitude and Latitude and the Tropics.
3	To identify the climate zones on a world map.	Look at the climate zones in relation to the Earth's movement and the sun.
4	Explore the Greenhouse effect.	What causes the 'Greenhouse Effect' and how does it affect our climate?
5	Explore Global Warming.	To show an understanding of Global warming and its cause.
6	To explore extreme weather.	To research extreme weather forces around the world.
7	To explore possible links between climate change and extreme weather.	Express and explain their opinions on geographical and environmental issues.
8	Why is climate the top of the International Agenda?	Show an understanding of major issues effecting the world. Think about whose responsibility is it?
9	To take part in a debate to argue against/for the statement	Critical thinking skills Explore if extreme weather events should be called 'Natural Disasters.'
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Key People/Places/Facts

1	Boxing Day in 2004	The worst Tsunami hit India.
2	22 May 1960	Worst Earthquake - Great Chilean Earthquake.
3	Hurricane Mitch, 1998	Central America (Honduras and 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 United Nations is key to making climate the top of the International Agenda.
6	Sir David Attenborough	Famous naturalist who promotes a change in attitude and human actions towards the Planet.
7	Youth Strike 4 Climate Change	Children all around the world are fighting for climate change to be the most important cause worldwide.
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Big Questions

1	What climate changes are happening?	Is there a relationship between extreme weather and human actions?
2	Why are there more extreme weather events around the world now, than ever before?	Why do you think youth seem to be very concerned about climate change? 'Youth Strike 4 Climate'
3	What are the main causes of climate change?	What evidence is there to prove/disprove a link between cause and effect of human action?
4	How can human actions change/ improve the environment and climate change	Whose responsibility is it to look after the planet?

Vocabulary

Climate	Equator	
Global Warming	Ozone Layer	
Temperate	Tropics of Capricorn	
Polar	Tropics of Cancer	
Arid	Longitude	
Tropical	Latitude	
Mediterranean	Continents	
Hurricane	Planet	
Tsunami	Tide	
Omissions	Hurricane	

ENGLISH

Reading: Class Novel – The Wreck of the Zanzibar by Michael Morpurgo
Knowledge, Skills, Understanding

Reading – read, listen and respond to different texts in order to access ideas and information.

Speaking & Listening – talk clearly about thoughts and opinions, listening carefully to others.

Writing – write and present a range of ideas, in a variety of forms with awareness of different audiences and purposes.

Key activities as vehicles for learning

Discussion- These are to be based around the big questions above.

Writing:

- To write an adventure story.
- To write an information text about climate zones.
- To write and present a weather forecast.
- To write a factual report about an extreme weather event.
- To write an autobiography about David Attenborough. (Science)

ENRICHMENT

Author Visit

Cinema Visit – Into Film Festival

Peace and Hope Week

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MATHS

Multiplication and division divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context. multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers

Fractions Compare and order fractions whose denominators are all multiples of the same number

Multiplication and Measures Area - Calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm²) and square metres (m²) and estimate the area of irregular shapes.

Statistics and measures Time - Continue to read, write and convert time between analogue and digital 12 and 24-hour clocks. ☑ Complete, read and interpret information in tables, including timetables. ☑ Solve problems involving converting between units of time.

ART & DESIGN

The focus this term will be drawing, linking to the topic The Eye of the Storm. The children will use a variety of source material for their work. They will use a sketchbook to develop and record their ideas thinking about line, tone, pattern, texture, colour and shape. They will work independently to create artwork inspired by their observations, experience and imagination, whilst exploring extreme weather forces.

MUSIC

The children will explore Jazz, listen and appraise two pieces of music, learn about the interrelated dimensions of music through playing instruments and improvising. The children will also learn and perform Christmas carols for the Christmas carol concert.

PE

PE will be taught by WLSSP every Wednesday. This half term the focus is Athletics and the children will continue to develop sport specific skills applying them with coordination and control. Perform a number of skills, i.e. travelling with and without equipment, sending and receiving skills with consistency, accuracy, confidence and control.

COMPUTING

This half term the children will be learning about computer programming. They will explore subject specific vocabulary and will apply their coding knowledge to create a program that explains internet safety.

SCIENCE - Properties and Changes of Materials

The children will compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal) Apply this understanding to explain scientifically the reasons for choosing particular materials for everyday uses. Children will apply existing knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating. They will explore and explain the concepts of reversible and irreversible and recognise that some changes result in the formation of new materials. Use their developing scientific knowledge and understanding and relevant scientific language and terminology to discuss, communicate and explain their observations and explorations of the above enquiries.

Vocabulary

Property, transparent, opaque, soluble, insoluble, solute solution, solvent, conduct, insulate, thermal, magnetic, filter, filtrate, evaporate, gas, solid, liquid, distillation. state, burning, oxygen, particles

RE Theme – Christmas Key question for this enquiry: Is the Christmas story true? We will be learning to evaluate different accounts of the Christmas story and understand that stories can be true in different ways. The children will learn about the importance of the Christingle to Christians.

SEAL/PSHE

Jigsaw SOW Being Me in My World. The children will be exploring the importance of being part of a community and why it is important that the community is a fair one. They will explore rules, rights and responsibilities in school and the wider community and will explain why and how they contribute to making an effective caring society.

LANGUAGES

Understand the main points from a spoken passage with some repetition. Learn how to ask and answer simple questions such as where do you live? What is your name? How are you feeling
Ask and answer simple questions and use a negative – learn how to give their opinions about school – what they like/dislike.