



Moorside Community Primary Academy - Theme Overview

Year: 5 Term: Spring 1 Theme: The Eye of the Storm

Geography/ History

1	Climate zones and biomes (1)	Describe and understand different climate zones and biomes.
2	Indigenous populations (1)	Learn how indigenous populations are affected by climate.
3	Evaporation, condensation, precipitation and photosynthesis (2)	Find out how different climates impact vegetation.
4	The water cycle (2)	Understand how the water cycle works
5	Adaptation (3)	Identify how animals and plants adapt to the biome in which they live
6	Extreme weather events (4)	The impact of extreme precipitation - flooding, hurricanes/typhoons, tsunami.
7	Extreme weather events (5)	The impact of heat – drought.
8	The Greenhouse Effect (5)	Find out what is meant by the Greenhouse Effect & how significant it is.
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Key People/Places/Facts

1	Climate zones	What are they?
2	Biomes	Different types of biome.
3	The water cycle	How does it work?
4	Adaptation	How do living things adapt to their environment?
5	Extreme weather	Hurricane, flood, drought.
6	The Greenhouse Effect	What is it?
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Big Questions

1	What climate changes are happening around the world	Is there a relationship between extreme weather and human action?
2	Why there are 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 and effect of human actions?
4	How can human actions change/ improve the environment and climate change?	Whose responsibility is it to look after the planet?

Vocabulary

	Tier 2	Tier 3	
	Continent	Climate zone/ latitude	
	Indigenous		
	Planet	Global warming	
	Precipitation		
	Extreme	Polar/ biome	
	condensation		
	Recount	Photosynthesis	
	evaporation		
	Non chronological	Greenhouse effect	
	drought		
	force	Hurricane/ typhoon	
	Friction	Longitude/ latitude	
	Gravity	Tsunami	
	Force/ distance	Tropic of Cancer/ Capricorn	

ENGLISH Reports and recounts/ Poetry

Reading: Non fiction texts on extreme weather

Newspaper reports and recounts.

Read a range of poems about the sea/ weather

Comprehension- retrieval, inference, word meanings,

Speaking/ drama

The class will play the role of detectives investigating an incident – they will also act as reporters posing interview questions about a specific event/ weather related.

Recite a class poem- class will recite the poems that they have written

Writing Opportunities:

Write reports on extreme weather events

Recounts on events

Newspaper article

Write poems about the sea/ weather

Grammar:

-Modal verbs Expanded noun phrases

-Adverbs of possibility

-Inverted commas

-Place adverbials

-Cohesion in paragraphs

MATHS – Multiplication and Division B

-Multiply up to 4 digits by 2 digits.

-Solve problems using multiplication

- Short division

- Efficient division

-Dividing with remainders

Solve problems with division

-Arithmetic strategies

Problem solving including money

Fractions

-Multiply a unit fraction by an integer

-Multiply a non-unit fraction by an integer

-Multiply a mixed number by an integer

-Calculate a fraction of a quantity

-Find a fraction of an amount

- Find the whole

- Use fractions as operators

Year:5 Term:Spring One Theme:The Eye of the Storm

ART & DT- Design a recipe 6 lessons

Describe the process of beef production. Research a traditional recipe and make changes to it. Add nutritional value to a recipe by selecting ingredients and designing labels for the products. Prepare and cook a version of bolognese sauce.

MUSIC

Charanga unit 3- song focus- Make you feel my love. The material presents an integrated approach to music where games, elements of music (pulse, rhythm, pitch etc), singing and playing instruments are all linked. As well as learning to sing, play, improvise and compose with this song, children will listen and appraise other Pop Ballads.

PE-

COMPUTING – Coding

Be able to simplify code and create a simple game. Understand what a simulation is and programme a simulation. Know what decomposition and abstraction are in computer science.

Understand how to use friction in code and understand how to use a function in code. Understand how to create a string.

SCIENCE – Forces

Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object.

Identify the effects of air resistance, water resistance and friction that act between moving surfaces. Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect. Explore falling objects and raise questions about the effects of air resistance. Explore the effects of air resistance by observing how different objects such as parachutes and sycamore seeds fall. Experience forces that make things begin to move, get faster or slow down. Explore the effects of friction on movement and find out how it slows or stops moving objects. Explore the effects of levers, pulleys and simple machines on movement. Find out how scientists, for example, Galileo Galilei and 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.

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.

Jigsaw /PSHE – Dreams & Goals

Children learn that they will need to have a job/career in the future and will need to earn money to achieve some of their dreams and goals. They will compare themselves with children in another culture and understand how they can make a positive contribution in supporting them to achieve their dreams & goals.

LANGUAGES- Celebrations

Learn the months of the year in French. Learn the vocabulary for sport and activities and put them in to a simple sentence.