

Moorside Community Primary Academy - Theme Overview

Year: 4 Term: Summer 2 Theme: Water



Geography					
1	Changing state	Describe and understand key aspects of the water cycle in the context of learning about the changing states of matter			
2	The water cycle	Describe and understand key aspects of the water cycle in the context of explaining the water cycle.			
3	Making Clouds and Rain	Describe and understand key aspects of the water cycle in the context of learning about clouds and rain.			
4	Treating Water	Describe and understand key aspects of the water cycle in the context of learning about the water treating process.			
6	Water Pollution	Describe and understand key aspects of the water cycle in the context of learning about water pollution.			
7					
8					
9					

Key People/Places/Facts						
1	States	What is a state of matter?				
2	Water Cycle	Understand how the water cycle works				
3	Clouds and rain	Understanding how clouds and rain are formed, the process which happens resulting in these different states. Relating the water cycle to the formation of clouds and rain				
4	Water treatment	In relation to the water cycle, understand the water treatment process and why this is used				
5	Flooding	Learn about flooding, the effects and impact of flooding.				
6	Water pollution	Understanding the result of water pollution along with the causes and preventative measures.				
7						
8						

	Big Questions				
1	What is the water cycle and how does it work? How many elements make up the water cycle?				
2	How are rain and clouds made? What is their impact on the water cycle? How important are they to us?				
3	What are the various impacts of flooding? How can flooding be caused? How can I be prevented?				

Vocabulary					
	States of matter	Flooding			
	Water	Treatment			
	Waster cycle	Pollution			
	Clouds	Rain			
	Tributaries	Chemicals			

ENGLISH

Reading:

Bug Club.

Topic related reading.

Reading comprehension.

Writing:

Big writing Opportunities:

- Poetry wildlife haikus
- Writing a formal letter about water pollution
- · Persuasive writing- save the rainforest

Short Writing Opportunities

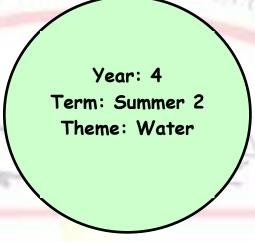
- Describe how the water cycle works
- A summary of Gerald Durrells achievements

Grammar

- conjunctions to express time or cause.
- commas after fronted adverbials.
- Use inverted commas and other punctuation to indicate direct speech.

MATHS

- Write money using decimals
- Compare amounts of money
- Estimate amounts of money
- Calculate with money
- Solve problems with money
- Learning time in relation to years, months, days and weeks
- Learning hours, minutes and seconds
- Converting between analogue and digital times
- Converting to and from the 24 hour clock
- Understand angles and turns
- Identifying angles
- Learning about lines of symmetry and new shapes
- Interpreting charts and line graphs
- Plotting coordinates
- Identifying position



ART & DESIGN

Kapow - Craft and design

MUSIC

Charanga music-Lean on Me

<u>PE</u>

WLSP

COMPUTING

 Writing for a purpose-Researching, planning and writing a formal letter

SCIENCE

Scientists and Inventors

- To recognise that environments can change and pose a danger to living things by exploring Gerald Durell's conservation work in Madagascar
- To recognise that vibrations from sounds travel through a medium to the ear in the context of Alexander Graham Bell's invention of the telephone.
- To describe Alexander Graham Bell and his inventions
- To identify changes relating to simple scientific ideas and processes by exploring the discovery of oxygen and the theory of phlogiston. To explain how oxygen was discovered.
- To observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C) by exploring Kelvin's discovery of absolute zero. To explain what Lord Kelvin called 'absolute zero'.
- To identify changes related to scientific ideas and processes by exploring Thomas Edison's and Lewis Latimer's work with electricity

Jigsaw - RL sequence of lessons.

RE - Discovery RE Buddhism

<u>LANGUAGES</u> French- putting simple sentences together to make a short paragrapph. E.g. My name is... I am Years old, I like...., I have.....eyes and......hair.