

Key Learning

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.
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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.
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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:

- Newspaper report about Year 4 being stranded on a desert island
- Poetry - wildlife haikus
- Writing to persuade - an information leaflet advertising Martin Mere

Short Writing Opportunities

- Describe a wildlife setting (Martin Mere)
- DA description of summer holiday plans

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

Year: 4
Term: Summer 2
Theme: Water

ART & DESIGN

Kapow - Craft and design

MUSIC

Charanga music- Lean on Me

PE

WLSP

COMPUTING

- Writing for a purpose-
Researching, planning and
writing newspaper
report/campaign

SCIENCE

Scientists and Inventors

- To recognise that environments can change and pose a danger to living things by exploring Gerald Durrell'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

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

