

Half-termly planning overview Year 5 – Autumn Term 1



Enquiry question: What journey does a river take?

Harmony principle: The principle of the Cycle

Great Work: A leaflet on saving water OR An exhibition of river art

Partners in learning: The Environment Agency, Canal & River Trust

Sustainability theme: Saving water



Weekly Questions						
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
	What is the shape of water?	How does a river change from source to sea?	What happens when a river floods?	How clean is our water?	Where does drinking water come from?	What happens when a river reaches the sea?
GEOMETRY	Can you create a bubble that isn't spherical?	How does the length of a river compare to the distance from source to sea 'as the crow flies'?	How does the meandering shape of a river compare to the shape of its floodplain?	How can I use my knowledge of geometry to recreate symmetrical diatoms?	What happens when you mix oil and water?	Where do we see fractals in river deltas and estuaries?
SCIENCE	How do the properties of liquids compare to the properties of solids and gases?	What role does evaporation play in the life of a river?	What role does condensation play in the life of a river?	How can solids be separated from water through sieving and filtration?	What do we observe when a solid dissolves in a liquid? How can this change be reversed?	How can I communicate my understanding of the water cycle?
ENGLISH	How can I use similes in poetry to describe the appearance and movement of bubbles?	What is the key information to include in a leaflet about the parts of a river?	How are newspaper articles structured and how can I use this to report on (local) flooding?	What will I include in a report about the threat posed by dirty water to human health?	What information will I collect to persuade others to save water?	How can I use persuasive techniques to persuade others to save water?
GPS FOCUS	How can I organise the verses of a poem around a theme?	How can I organise paragraphs around a theme in a leaflet?	How can I use adverbials of time or place to link ideas across paragraphs?	How can I use adverbs to show degrees of possibility in my report?	How can modal verbs be used to effect in persuasive writing? (1)	How can modal verbs be used to effect in persuasive writing? (2)
MATHS	What are the properties of circles and spheres?	How accurately can I convert m to km and vice versa?	What strategies can I use to estimate capacity in ml and l and convert one unit to another?	How can I convert litres to pints?	What strategies will help me to solve capacity problems using + and - ?	What strategies will help me to solve capacity problems using ÷ and x ?
GEOGRAPHY	What are the features of a river?	What are the features of our local river? (fieldwork)	What happens when a river floods?	What can we do to protect our communities from flooding?	What are the major rivers of the UK and where are they located? (atlas skills)	Why are humans dependent on the water cycle? What happens when the cycle is broken?
ART & DESIGN	How can I print with bubbles?	Which materials will I select for a mixed-media collage of one part of a river? (1)	Which materials will I select for a mixed-media collage of one part of a river? (2)	How can I recreate the effects Monet used using chalk and oil pastels?	How can I use chalk and oil pastels to create a Monet-inspired river painting?	What makes an effective composition in a photo of our local river?
IT & COMPUTING	What information is safe to share online, and what isn't?	What should I do if I feel unsafe online?	What are the features of blogs?	What will I include in a blog post about our local river? (1)	What will I include in a blog post about our local river? (2)	How can I edit and upload images to a blog post?
PE	Gymnastics: In what different ways can we travel?	Gymnastics: Can I perform gymnastics moves accurately? (1)	Gymnastics: Can I perform gymnastics moves accurately? (2)	Gymnastics: In what different ways can I link two moves so that they flow?	Gymnastics: How can I plan a sequence of movements so that they flow?	Gymnastics: How can I perform a sequence of movements so that they flow?
RE	What is the significance of water to Christians? (baptism)	What is the significance of water to Christians? (washing)	What is the significance of water to Christians? (punishment)	What is the significance of water in other world religions? (Hinduism)	What is the significance of water in other world religions? (Islam)	What common themes and what differences do we see in the role of water in different religions?
NOTES	Bubble making	Guided river walk	Children research and bring in newspaper or web articles on flooding	Visit to local water treatment facility or reservoir	'No Water' day	GREAT WORK Sharing water conservation leaflet or river artwork