

Going with the Flow: An enquiry approach to teaching rivers

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River vocabulary

Key vocabulary

Bank, basin, bed, canal, channel, condensation, confluence, current, dam, delta, deposition, downstream, drainage basin, embankment, erosion, estuary, evaporation, fieldwork, flood prevention schemes, flooding, flash floods, flood barrier, floodplain, flow, fresh water, gorge, groundwater, load, hydro-electric power, infiltration, irrigation, landscape, lake, load, lower course, meander, middle course, mouth, oxbow lake, plunge pool, precipitation, river, river basin, river cliff, salt water, silt, source, spring, stream, surface water, rapids, reservoir, tidal river, river leisure activities, transportation, tributary, upper course, upstream, valley, water cycle, waterfall, watershed.

Glossary

Bank – The riverbank is the land at the side of the river

Basin – The river basin is an area of land drained by a river and its tributaries. This land collects all available water from tributaries, creeks and streams in its area

Bed – The riverbed is the bottom of a river. A riverbed can be made of sand, rocks or mud depending on the river

Canal – A human-made waterway that is used so that boats can transport goods across the country **Channel** – Where a river flows. It has a bed and two banks

Condensation – The process by which water vapour changes to liquid when cooled.

Confluence – The junction of two rivers, especially rivers of approximately equal width

Current – The strength and speed of the river. Water always flows downhill; the steeper the ground is, the stronger the current will be

Dam – A barrier constructed across a water to control the flow or raise the level of water

Delta – Deltas are wetlands (muddy or sandy areas) that form as rivers slow down and empty their water and sediment into another body of water. The term delta comes from the upper-case Greek letter delta (Δ), which is shaped like a triangle

Deposition – The laying down of material carried by rivers

Downstream – The direction that the water flows, downhill towards the sea

Drainage basin – The area of land drained by a river and its tributaries

Embankment – A raised river bank to prevent flooding

Erosion – A fast flowing river can damage the riverbanks and wash bits of them downstream, making the river wider

Estuary – Where a river reaches the ocean and the river and ocean mix. Estuaries are normally wide and flat

Evaporation – The process by which liquid water changes to water vapour

Fieldwork – The process of observing and collecting data about people, cultures, and natural environments

Flash floods – A sudden and unexpected flood that can cause much damage

Flooding – An overflow of water onto land that is normally dry

Flood barrier – A flood barrier, surge barrier or storm surge barrier is a specific type of floodgate, designed to prevent a storm surge or spring tide from flooding the protected area behind the barrier



Flood plain – The flat area around a river that often gets flooded when the level of water in the river is high

Flood prevention schemes – A plan to try to stop flooding by either rivers or the sea

Flow - The movement of water

Freshwater – Rainwater that falls from the sky has no salt in it. We call this fresh water.

Gorge – A steep sided valley

Groundwater – fresh water stores in rocks and the soil. It may pass slowly though the rocks and soil back to the sea

Hydro-electric power – A form of renewable energy that uses the power of moving water to generate electricity

Infiltration – The process by which water on or above the ground surface enters the soil

Irrigation – The agricultural process of applying controlled amounts of water to land to assist in the production of crops

Landscape – The visible features of an area of land, its landforms, and how they integrate with natural or man-made features

Lake – A relatively large body of slowly moving or standing water that occupies an inland basin of appreciable size

Load – The material carried by a river

Lower course – The final stage or third of a river closest to its mouth

Meander – A river that follows a winding course

Middle course – The middle third of a river

Mouth – The end of a river where it flows into the sea, another river or a lake

Oxbow lake – A uniquely shaped lake resulting from the path of a meandering river. Oxbow lakes are U-shaped or curved bends in a river that are cut off from the main river flow, forming a lake

Plunge pool – A hollow at the base of a waterfall caused by erosion

Precipitation – Water in any form which falls to earth. It includes rain, sleet, hail and snow

Rapids – Areas of shallow, fast-flowing water in a stream

Reservoir – A large natural or artificial lake used as a source of water supply

River – A large natural stream of water emptying into an ocean, lake, or other body of water and usually fed along its course by converging tributaries

River cliff - The steep slope cut into the valley side by erosion on the outside of a river bend

River leisure activities – Rivers offer places to walk along the bank, boat or paddle, wade in the current, fish, kayak, or just sit and relax

Salt water – The type of water in seas and oceans

Silt – Small bits of dirt or sand that are carried along by a river (also called alluvium)

Source – The start of a river is its source. This could be a spring on a hillside, a lake, a bog or marsh. A river may have more than one source

Spring – A natural opening in the ground where water flows

Spurs – A small ridge that projects sharply from the side of a larger hill or mountain

Stream – A small river

Surface water – Water which lies on top of, or flows over, the ground

Tidal river – At the end of a river, near the ocean, water from the sea flows up the river when the tide comes in. This part of the river is called 'tidal'

Transpiration – The process by which water from plants changes into water vapour

Transportation – The movement of material by rivers

Tributary – At the end of a river, near the ocean, water from the sea flows up the river when the tide comes in. This part of the river is called 'tidal'

Urbanisation – The growing proportion of a people living in urban areas. Historically, many people settled near rivers

Upper course – A third of a river closest to the source of the river

Upstream – The opposite direction to the way the water in a river flows

U-shaped valley – A valley which has been eroded by a river so that its cross section looks like a v



Valley – An elongated low area often running between hills or mountains, which may contain a river or stream running from one end to the other

Water cycle – The never-ending movement of wate between the sea, the land and the air

Waterfalls – A sudden fall of water over a steep drop

Watershed – The boundary between two river basins

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