

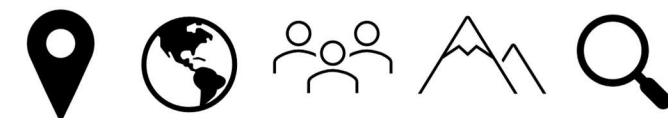
# Year 4

## Rivers and the Water Cycle



~Golden Thread of Reading~

Geography Reading Spine  
Rivers and the Water Cycle



Star Moment



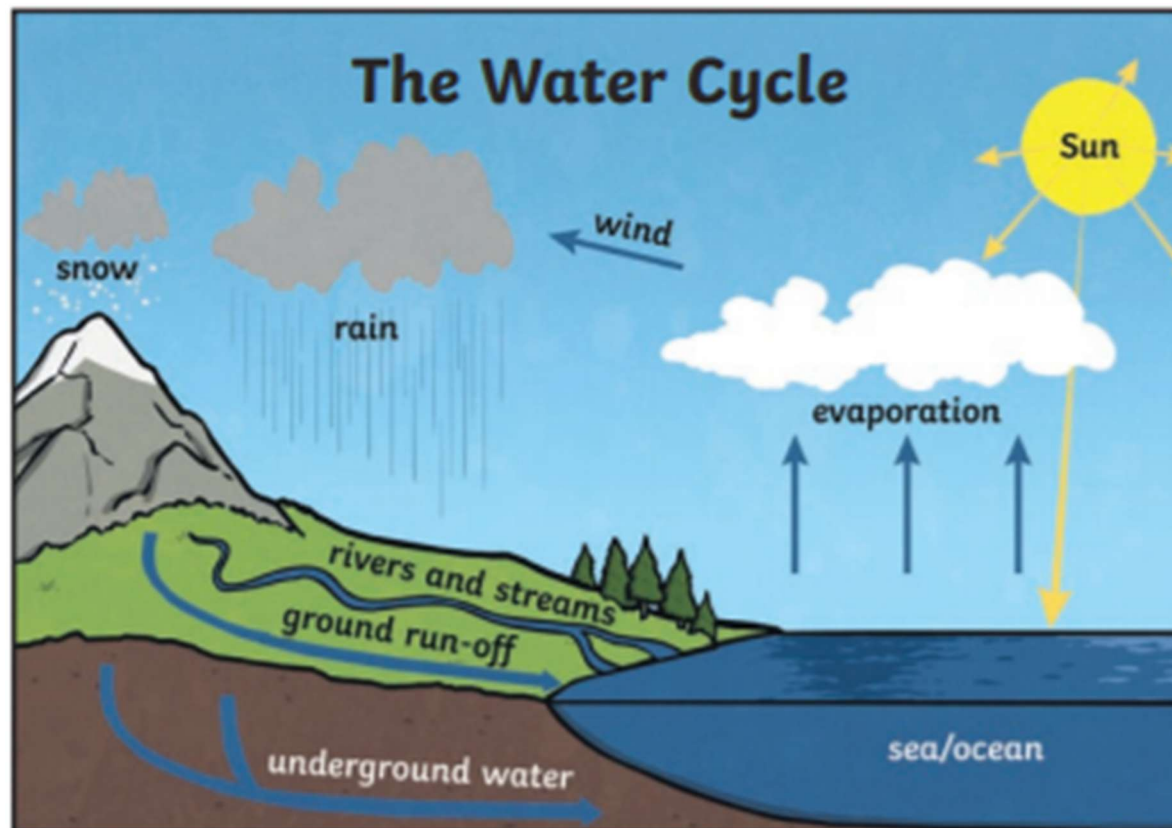


### Skills covered this half term:

- Explain what a river is and locate the world's longest rivers on a map, using coordinate grids and referring to map features such as lines of longitude and latitude
- Use fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods, including sketch maps, plans and graphs, and digital technologies
- Use a compass correctly to map the direction/location of our local canals and the direction water flows in
- Locate local canals on a range of maps, including ordnance survey

### Vocabulary

Precipitation	rain, snow, sleet, or hail that falls to or condenses on the ground.
Meander	a winding curve or bend of a river
Oxbow Lake	a curved lake formed from a horseshoe bend in a river where the main stream has cut across the narrow end and no longer flows around the loop of the bend.
Fertile	able to support the growth of a large number of strong healthy plants
Pollution	a substance which has harmful or poisonous effects
Trade	the action of buying and selling goods and services.



### The River Mersey

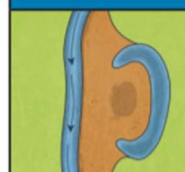
It is 70 miles (112 km) long, it stretches from Stockport, Greater Manchester, and ends at Liverpool Bay, Merseyside. Water quality in the River Mersey has been severely affected by industrialisation.

#### Meander - a curve in the river



Eroded materials are carried by the river and released, building up the land on the inside of the bend where the water flows more slowly.

#### Oxbow lakes - a U-shaped lake



As meanders grow, two meanders can merge together through **erosion**. The water takes this newer, shorter course. The river **deposits** eroded materials which block off the old part of the river forming an oxbow lake.

### How do we use rivers?

Leisure eg fishing

- + Controlled population
- - May leave litter and pollute the water

Industry eg factories

- + Sections of rivers maintained
- - Chemicals pollute the water and habitats

Tourism eg walking routes

- + Conservation and education about local wildlife
- - Too many people near wildlife habitats



### Vocabulary

Mouth	The point where a river joins the sea.
Source	The place where a river begins
Tidal bore	A strong tide from the coast that pushes the river against the current causing waves along the river.
Tributaries	Rivers that join up with another river
Valley	A long ditch in the earth's surface between ranges of hills or mountains