

KS2 Geography on Rivers

Key words include.

Water cycle	Precipitation	source	river
stream	brook	hill	slope
cliff	valley	channel	erosion
pollution	landscape	tributary	drainage
floodplain	meander	transportation	deposition

Learning Objectives

- Revise knowledge of where water comes from. (Water cycle)
- Understand where water goes after rainfall
- Use of maps and compasses (orienteeing)
- Understand how rivers erode, transport and deposit materials and produce changes to the landscape
- Understand the environmental impact of floods and how they can be controlled
- Identify how people affect rivers and the environment; pollution
- Relate practical work to generalisations about rivers elsewhere.

9.45 Introduction and welcome

- Introduction to site with maps and photos
- Introduce some important features of rivers (meander/ flood plain/ tributary). Revise co-ordinates and use of the map and water cycle.

Snack Break

10.00 Orienteering and Map Skills

- Introduction to orienteeing, use of the map and key and compass use.
- Water cycle colouring/labelling for early returners.
- **All groups to meet at designated location at 10.45.**

11.00 River sampling

- Look at R. Stour
- Carry out water quality testing river water.

12.00 Lunch

12.30 Brook sampling

- Water quality measurements in the brook

13.30 Freshwater Animal Sampling

- Use kick sampling method to collect and identify invertebrates at the faster area of the brook
- Relate findings to water quality – calculate Clean Water Scores (total for points for organisms found).

14.15 (if there is time)

- Look at Stour river cliff - discuss erosion.
- As walking through wood mention idea of water infiltration and drainage
- Look at view across the valley: point out some key features in the landscapes including floodplain, flood bank, meander and valley.

14.30 Brief conclusion and depart at 14.45.