

PROVISIONAL PROGRAMME

Introduction

- Rivers and their place in the Chilterns landscape.
- I identify source & confluence of the River Chess and two sites.
- River Chess in long profile and as a sketch map.
- By asking geographical questions consider how the River Chess changes as it flows downstream.

Field Site 1: Chesham Moor

- Note interesting features of the river with field sketches and digital camera.
- Measure width, depth (to determine cross sectional area), wetted perimeter and speed of flow.

Field Site 2: Scotsbridge Mill, Rickmansworth

- Note interesting features of the river with field sketches and digital camera.
- Measure width, depth (to determine cross sectional area), wetted perimeter and speed of flow.
- Describe and explain erosion and deposition at a meander and contrast outer and inner bends.

Review

- Calculate averages and cross-sectional area.
- I identify and explain changes at different sites, and compare with predictions.
- Consider limitations of fieldwork.

LEARNING OUTCOMES

Most students will (N.C. Level 5/6)

- identify and agree procedures and questions to find out about river profile characteristics.
- use data sheets to record changes to the features of a river along its length.
- transform raw data into a range of suitable graphs, diagrams and sketches.
- describe physical features observed and measured.
- draw evidence from their own and other groups to identify, describe and explain changes to the river section downstream.
- select information and sources of evidence to suggest a plausible conclusion for their work

Some students will not have made as much progress and will (N.C. Level 4/5)

- identify and agree procedures and questions to find out about river profile characteristics.
- use data sheets to record changes to the features of a river along its length.
- describe physical features observed and measured.

Some students will have progressed further and will (N.C. Level 6/7)

- offer explanations for the observed changes to the features of a river along its bed
- relate local river work to generalisations about rivers elsewhere

SAFETY All activities and sites are risk assessed.

Recommended adult: child ratio of 1:12

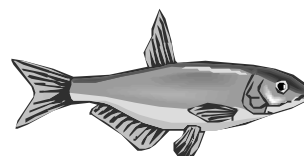
CLOTHING Appropriate outdoor clothing and a complete change of clothes. Indoor footwear and outdoor footwear appropriate for entering the river.

TRANSPORT is required all day for this course.

BEHAVIOUR Teachers are responsible for good behaviour & lunchtime supervision.

RESOURCES All resources are provided.

ICT There is the option of using a digital camera to record techniques.



ASSESSMENT

Progress assessed by open-ended questioning, peer discussion and explanation of hypotheses and results.

PRIOR LEARNING

Review hydrological patterns and processes.

FUTURE LEARNING

Produce a well-structured report which draws on evidence to reach conclusions.