

FSC Course: The River Chess (A-Level)

OCR Unit F761: Managing Physical Environments (AS)

OCR Unit F764: Geographical Skills (A2)

PROVISIONAL PROGRAMME

Aim

Investigate channel characteristics and landforms of the River Chess.

Introduction

- Rivers and their place in the Chilterns landscape, including GIS images.
- River Chess as a long profile and as a sketch map.
- Label field sites on a full map of the River Chess.
- Consider how landforms and channel characteristics will change downstream.

Field Site 1: Chesham Moor

- Draw and annotate field sketches.
- Measure different river variables (including channel cross-section, gradient and velocity) and link these with the river landforms found at different sites.
- Consider human influences on the river.

Field Site 2: Scotsbridge Mill

- As site 1
- Look at erosional and depositional landforms.
- Investigate how sediment sizes changes across a meander.

Follow up

- Calculate cross-sectional area, discharge and hydraulic radius.
- Discuss how to analyse the data. Carry out a Spearman's Rank test on sediment data.
- Consider limitations of fieldwork.

RECOMMENDED DAY LENGTH

9.30 - 16.00

SAFETY All activities and sites are risk assessed. Recommended 1 adult per group.

CLOTHING

Appropriate outdoor clothing and wellies if possible. Indoor shoes.

TRANSPORT is required all day for this course.

TEACHER ROLE

Behaviour and supporting tutor in group management.

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 discussions, presentations and use of knowledge and skills in different situations.

PRIOR LEARNING

Review hydrological patterns and processes.

FUTURE LEARNING

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