

Epping Forest Field Centre

Key Stage 4 Geography Courses

Our courses are designed to meet the requirements of GCSE specifications (OCR, Edexcel, and AQA). Each course will be tailored to meet your requirements and will provide students with opportunities to:

- Identify a geographical question for investigation.
- Determine appropriate fieldwork techniques for data collection and methods for analysis.
- Investigate the interaction between physical and human environments.
- Develop an appreciation of the environment, current issues and associated responsibilities.

Choose from the range of Courses listed.

- Led by friendly and well trained tutors
- Knowledge and understanding of the natural environment
- Fieldwork skills and techniques
- Comprehensive Health and Safety procedures
- Free staff places

For more information or to make a booking contact
Epping Forest Field Centre on 020 8502 8500.

Courses cost £16 per person (March to November) and £14 per person (December to February), subject to a minimum fee of £260 per taught group. Course content is for a day visit, typically arriving approx 9.30am, leaving approx 3.30pm. Tailor made courses, including half day activities are available, and changes to timings can be discussed.

The Centre's purpose built facilities offer superb opportunities for field study in the heart of Epping Forest.

All of our courses are led by experienced Tutors selected for their knowledge and expertise as well as their relaxed and friendly manner

Epping Forest Field Centre

Tel: 020 8502 8500

Address: Paul's Nursery Road, High Beach,
Loughton, Essex, IG10 4AF

Fax: 020 8502 8502

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Website: www.field-studies-council.org/eppingforest

Registered Charity Number: 313364

Managed by FSC for and on behalf of the City of London Corporation, Conservators of Epping Forest.

FSC

BRINGING
ENVIRONMENTAL
UNDERSTANDING TO ALL

Woodland Ecosystems

Epping Forest consists of a mosaic of habitats resulting from its use as a wood-pasture. Students compare soils and vegetation of two different woodland ecosystems and how particular conditions influence their characteristics. Habitat changes over time are linked to management and conservation issues for the future. Fieldwork includes:

- ground vegetation sampling using quadrats
- measurement of tree density, girth, height and canopy cover
- determination of soil texture, moisture and type

Follow up work:

- interpretation of secondary data (maps, photos and grazing data)

Visitor Impact on Epping Forest

Students examine visitor management issues, investigating why visitors use honeypot sites and what impact this has on the local environment. Students compare a honeypot site with a site recovering from intensive use. It addresses questions surrounding management of the sites for recreation and conservation. Fieldwork can include:

- vegetation sampling using quadrats
- measurement of soil compaction to investigate the impact of trampling
- collection of data on car and visitor numbers
- study of public pressure through an environmental index and assessment of management practices

Follow up work:

- interpretation of maps, photos and other secondary data

Waltham Abbey, a study of a Market Town*

Students determine the historical growth, morphology and function of Waltham Abbey, a small market town. A variety of primary and secondary data collection techniques are used. Land use can be compared to urban growth models.

Fieldwork can include:

- land use mapping
- determination of sphere of influence using tax disc survey and questionnaire
- delimiting of CBD by environmental indices, pedestrian counts and land use mapping.
- secondary data collection at resource centres within town centre

Follow up work:

- data presentation and analysis

River Landscapes, Processes and Channel Characteristics

Students investigate how river channel characteristics change downstream. Drainage basin characteristics, including soil type, geomorphology and land use, are linked to the hydrological cycle and the nature of the streams.

Measurements are taken at three sites and distinctive river landforms studied, with their formation related to erosion, transportation and deposition processes. Fieldwork can include:

- measurements of wetted perimeter and velocity and determination of bedload size and roundness
- sketching and observation of river and valley landforms
- river gradient and cross profile measurements

Follow up work:

- graphical presentation of data
- estimation of channel cross section
- calculation of river discharge

Loughton Brook available September to April NB water levels early in the season can be very low. Debden Brook available throughout the year, needs transport all day.

Flooding & River Management*

Students explore the issues arising from flooding of Loughton Brook (The case study used is the flood of 1982, which caused £2.6 million damage). Causes and effects of the flood hazard are discussed and management solutions examined. An overland flow experiment can be undertaken to produce a storm hydrograph. Fieldwork can include:

- observation and evaluation of flood prevention measures
- overland flow experiment to produce a storm hydrograph

Follow up work:

- estimation of bankfull discharge
- interpretation of secondary data (maps, photos, and newspaper articles)

To book, or for more information call 020 85028500. *For these courses schools will need to provide transport all day for their staff and students and the tutor from EFFC