

# Epping Forest Field Centre

## Key Stage 3 Science Courses

Our courses deliver National Curriculum requirements. Each course uses a route of enquiry and skills in relation to knowledge and understanding of biological processes. The programmes offer students the opportunity to:

- Carry out a scientific fieldwork investigation.
- Work outside the classroom.
- Use and evaluate appropriate fieldwork techniques.
- Collect primary data.

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 £14 per person (March to November) and £12 per person (December to February), subject to a minimum fee of £260 per taught group. Course content is for a day visit, typically arriving by 10am, leave 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

Email: [enquiries.ef@field-studies-council.org](mailto:enquiries.ef@field-studies-council.org)

Website: [www.field-studies-council.org/eppingforest](http://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

## **Freshwater Invertebrates**

A practical investigation into freshwater ecosystems. Students will sample invertebrates in three pond micro-habitats. The course delivers an introduction to ecological relationships, food webs, food chains and the transfer of energy through the ecosystem.

Fieldwork includes:

- Classification and identification using dichotomous keys
- Observation and discussion of adaptations in different trophic levels
- Sampling at pond sites recording the abundance and species richness of macro-invertebrates
- Pyramids of numbers

## **Scientific Skills**

The day is designed to allow students to gain practical experience in biological skills and techniques. Students will undertake small scale fieldwork projects using a range of equipment.

Fieldwork can include:

- Route of enquiry, density & frequency measurements and key terms
- Systematic sampling
- Random sampling
- Freshwater invertebrate sampling
- Methodology write up
- Presentation of collected data

## **Freshwater Pollution \***

This course delivers an introduction to water pollution and biotic indices. A practical investigation where students will familiarise themselves with freshwater invertebrates before sampling a river and calculating biotic indices with the results.

Fieldwork includes:

- Classification and identification using dichotomous keys
- Discussion of pollution and ways of measuring its impact
- Kick sampling at river sites to record the abundance of invertebrates
- Calculating biotic indices

To book, or for more information call 020 8502 8500.

\* For these courses schools will need to provide transport all day for their staff and students and the tutor from EFFC