Outdoor Classroom

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
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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

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Ecological Relationships in Ponds

A practical investigation into freshwater ecosystems. Students will sample invertebrates in 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

Ecological Relationships in Woodlands

A practical investigation into woodland ecosystems. Students will sample 2 woodland areas and compare biological factors between them. The course delivers an introduction to ecological relationships, light affecting plant growth and comparison fieldwork techniques.
Fieldwork includes:

- Classification and identification using keys.
- Observation and discussion of abiotic factors (light).
- Sampling plants using quadrats.
- Sampling light using Lux meters

Variation and Classification

New for 2010 Pupils will investigate how individuals of the same species differ from each other and what the causes of these variations are, how living things can be sorted into groups and how scientists classify living things.
Fieldwork includes:

- Identification using dichotomous keys
- Classification of organisms
- Sampling pond invertebrates
- Sampling terrestrial invertebrates*

** Can include log searching, sweep netting and tree beating depending on the time of year and weather conditions.*

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:

- Site observations
- Local frequency measurements using quadrats
- Systematic sampling
- Random sampling
- Stratified sampling
- Example habitats: grassland, woodland & freshwater

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