



[www.ectonhillfsa.co.uk](http://www.ectonhillfsa.co.uk)

**ONE-DAY COURSES for  
STUDENTS 14-19 in  
PHYSICAL SCIENCES and  
EARTH SCIENCE.**

**ACTIVITY DAYS FOR PRIMARY  
SCHOOLS.**

**VISITS FOR GENERAL AND SPECIAL  
INTEREST GROUPS.**



## **Courses based on the historic Ecton copper mines in the south-west Peak District National Park.**

Develop your students' scientific ideas in the field...

- Chemistry of natural resources, mining and minerals
- Geological structures in 3-D
- Underground visit into an early 19thC part of the mine  
...and much more, as well as providing an exciting, stimulating and motivating experience.

### **Chemistry courses for A Level and KS4**

**AL courses** cover aspects common to all specifications: simple chemical compounds in the environment, reactions of common ions, balanced equations, and the characteristic properties of some important groups in the Periodic Table, especially transition elements.

**KS4 courses** include extraction of metals from minerals collected, by displacement from solution and carbon reduction.

### **Geology courses for AS and A Level**

The mine provides an unusual field experience, including geology in 3-D in the mine adit. Mineralisation, stratigraphy, structural and engineering geology are just some of the topics that can be covered. All available activities can readily form part of assessed coursework for both A/AS specifications.

### **Courses/visits for primary schools**

These include a hill walk with an emphasis on specific aspects of the history and geology of the Ecton Mine, an underground visit, and the opportunity to undertake simple science/geology based practical activities.

### **General and Special interest groups**

Half or full day visits can be arranged for groups with an interest in Industrial Archaeology, walking groups, Geological Societies, U3A groups, all to include a surface tour and an underground visit. Adults or adults with children are welcome.

## TEACHERS' INDUCTION DAYS

Teachers are welcome to visit this historic site in the Peak District by prior arrangement. Visiting staff will be shown the underground workings of Ecton copper mine and there will be the opportunity to meet course tutors and to try out activities.

For information about EHFSa courses, including optional activities, visit the EHFSa website at [www.ectonhillfsa.org.uk](http://www.ectonhillfsa.org.uk).

Enquiries about induction days to Eileen Barrett at [Eileen1Barrett@aol.com](mailto:Eileen1Barrett@aol.com)

## Course Organisation

Visits are booked by mutual arrangement on weekdays and weekends during the year.

- Full day courses run from 10 am to 5 pm; packed lunches should be brought (no shops for miles!)
- Staffed by two *volunteer* EHFSa tutors, who are experienced teachers (some retired) and CRB cleared.
- The cost for a full day course is £10 per participant and includes tuition and any materials.
- One free staff place per 10 students.
- Half day courses and visits (up to 4 hours) are normally £5 per pupil for school groups and £7.50 per person for adult groups.
- Minimum charge for all visits assumes a group size of 10 persons.

## Bookings

All bookings are made via our **on-line booking system**.

For full details, contact details and on-line booking, please visit our website at

[www.ectonhillfsa.co.uk](http://www.ectonhillfsa.co.uk)

