

NO FEE CPD



The Earth Science Education Unit is administered from Keele University, however, team members are regionally based.

EARTH SCIENCE EDUCATION UNIT

- For further information on the work of the Unit and a booking form contact ESEU using the details below.
- You will be able to choose the most relevant workshop to suit your need, in discussion with us.
- Our workshops are free, but your institution will need to pay minimal expenses, including travel for the workshop facilitator. The facilitator will normally be the ESEU team member who lives closest to you but on occasion may have to travel from further afield or more than one facilitator may be needed to deliver the CPD (if the group number is more than 25).



Workshops for KS3 and

Teaching the

Dynamic Earth

KS4 science specifications

With the support of



KEELE UNIVERSITY
www.keele.ac.uk

EST A



Earth Science Teachers' Association
www.esta-uk.org
Registered Charity No. 1005331



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No FEE CPD on offer, KS3 Earth science workshops and KS4 Earth science workshops targeted at the Earth-related parts of each of the science specifications:

- minimal expenses only
- in your own school, college or institution
- for any group of science teachers
- from our regional facilitator
- 1½ hour workshops in one day, half-day or twilight sessions



Teaching the Dynamic Earth – interactive workshops

“Good range of activities and explanations.”

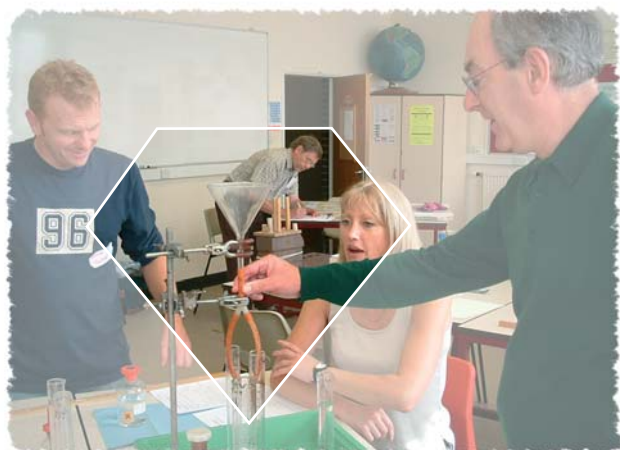
Teacher, Birmingham

“The workshop was really fun and very informative.”

University of Greenwich PGCE student

Our workshops:

- aim directly at the Earth-related parts of your GCSE science specification and KS3 Earth science in the National Curriculum
- are designed to raise staff confidence and enthusiasm in teaching about the active Earth
- introduce a wide range of activities - many are hands on, practical, investigational and interactive
- provide background knowledge to teachers
- develop thinking skills in pupils and students
- use a variety of teaching strategies
- are free of charge (apart from the expenses of your regional facilitator), thanks to sponsorship from Oil and Gas UK



“Demos which clearly and simply show the pupil what is actually happening in real life.”

Teacher, Cheltenham

“Interesting and gave me loads of ideas to boost the interest and participation of my students.”

Teacher at a National Science Learning Centre Workshop

No Fee Teacher CPD on offer in England and Wales

KS3 Workshops

Dynamic Rock Cycle: this 90-minute workshop shows how the rock cycle may be used to organise schemes of work for the geological sections of the National Curriculum for Science at KS3 and how the major geological processes may be taught through a range of practical and investigative lab activities.



Spot that Rock: this 60-minute workshop introduces activities relating to rock identification and interpretation, in line with National Curriculum requirements.

Earth Science Out of Doors – several different activities suitable for Key Stage 3 and 4 which include:

Earth Science Around Your School: a 30-minute investigation around your school grounds, studying building materials and how they are being weathered and establishing geological principles from the building and its surroundings.

Will My Gravestone Last?: this 60-minute workshop shows you how to use your local churchyard (or town centre) in teaching Earth Science.

Any Quarry Guide: a 60-minute guide for teachers wishing to lead their own visit to a quarry or small local exposure of rocks (ESEU facilitators would be happy to help you to realise the potential of such a site if you allow time for it whilst they are delivering ESEU INSET).

KS4 Workshops

90-minute workshops applicable to AQA Science, CCEA Science, OCR Gateway Science, OCR 21st Century Science and WJEC Science.

The Earth & Plate Tectonics: How do you teach plate tectonics and the structure of the Earth in an interactive way? What are the scientific explanations for a dynamic Earth on a global scale? How can you use the “Wegener Story” to exemplify “How Science Works”? The workshop is based on a presentation interspersed with a range of practical activities.

Life, the Atmosphere & Everything: this workshop has been devised to cover the requirements of each of the Awarding Bodies, covering much of the Earth science, other than plate tectonics. It focuses on the Earth science often linked with the biology, chemistry and physics parts of specifications, ranging from the evolution of the atmosphere to materials from the Earth. It consists of a mixture of practical activities and mini-presentations.

Applicable to EDEXCEL Science

Earth, Life & Atmosphere: this 90-minute session is a combination of the above KS4 workshops; ‘Earth & Plate Tectonics’, and ‘Life, The Atmosphere & Everything’ focused on the EDEXCEL specification.

