

Three teacher CPD workshops:

- aimed at the 14-19 age range
- designed by the Earth Science Education Unit in collaboration with the IoP
- show how school physics can be taught through Earth contexts
- through a range of practical and investigative activities

The workshops are available for any teacher event across the UK and will be delivered by one of ESEU's network of facilitators. The workshops contain practical hands-on activities, real life applications, career opportunities and career profiles of specialists within the field.



**Tackling Climate Change through Earth Physics:** how does climate change work and what can be done about it?

Consider the physics behind how climate change could affect the Earth, before investigating different methods of generating power that have low greenhouse gas emissions. Finally, decide what power source would be most appropriate for your region.



**The Seismology Story:** how are seismic waves generated and detected and what can this tell us about the Earth?

Try a range of activities, including some of those from the Gatsby Science Enhancement Programme's 'Seismology' publication, to investigate how Earth physics can reveal crucial information about Earth processes and structure.



**The Geophys Story:** try using the 'Geophys' of 'Time-Team' to detect 'things beneath the ground' in the same way as geophysical techniques find archaeological remains, buried infrastructure and natural resources.

These activities show how school physics is used in 'real world' situations.

To book a workshop or find out more:

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## Earth Physics Workshops



Workshops for 14-19

Teaching the

Dynamic Earth

Science specifications

### Did you know!

Earth physics workshops are available:

- to all IoP Network Co-ordinators
- for any teacher event