

## DEEP EARTH EXPLORERS – WHAT IS THE INSIDE OF THE EARTH LIKE? HOME LEARNING RESOURCES

This is a home-learning workshop about the interior of the Earth; how we look inside it, and the material properties and behaviour of the Earth's mantle. It is designed to make you think independently about how we can use everyday physics to understand the Deep Earth.

### WHAT'S IN THE PACK?

- Summary
- Worksheet (*print\**)
- Experiment instructions
- Hotspot track printout (*print\**)
- More activities to try
- Suggested answers



**Printing:** "Hotspot track printout" needs to be printed onto plain paper in order to be used. "Worksheet" is designed to be, and works better when, printed out, but could be done on a computer if necessary. "Experiment instructions" and "More activities to try" also benefit from being printed, but are less critical.

### HOW DOES IT WORK?

The worksheet guides you through the workshop, by asking questions for you to think about and answer, and giving you the information you need to solve the puzzle. The worksheet refers to four hands-on experiments throughout the workshop. The instructions on how to carry out these experiments are found in the document "Experiment instructions". There are also video suggested to replace experiments 1 and 2, in case you are unable to do the experiments.

After you've finished the workshop, there is a document called "More activities to try", which contains further games and websites related to the workshop. There is also a "Suggested answers" document which has some possible answers to the worksheet if you want to check that you were on the right track. If at any point in the worksheet you're totally stuck, you could use this document to help you, but remember – the thinking is more important than the answer!

### ACKNOWLEDGEMENTS

*These resources were designed by University of Cambridge Earth Sciences student Hero Bain, with input from high school teachers (Caitlin McCann and Rosie Jenkins), students and scientific researchers*



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these resources in your own classroom that could help improve  
the material, please feel free to contact Hero  
at [hrb47@cam.ac.uk](mailto:hrb47@cam.ac.uk).*

