

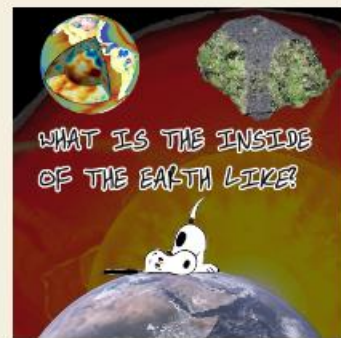
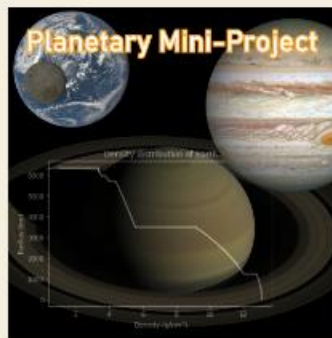
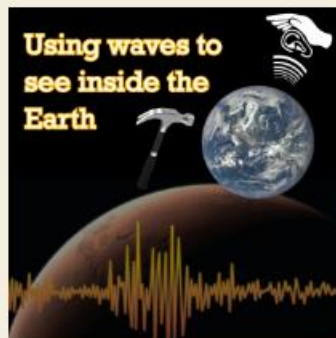


## Deep Earth Explorers

<https://deearth.esc.cam.ac.uk/teaching-resources/>

This website has real-world links to the Deep Earth that teachers can include in their science and maths lessons. Three resource packs are available, aimed at KS3 (11-14 years) and KS4 (14-16 years) students, and provide seismology and Earth structure themed lessons built around key concepts covered in maths and science syllabuses.

The website was created by members of Dr Sanne Cottaar's research group at the University of Cambridge. Resources were designed working with high school teachers, students, outreach experts and scientific researchers. There is a focus on the potential careers available within geosciences, and examples of a diverse set of role models. These resources can dispel some of the myths around geosciences as a subject and (hopefully) encourage a new generation of budding scientists to consider a career in geosciences.



<p><b>Using waves to see inside Earth</b>  <b>Subject: Science</b>  <b>Aimed at:</b> KS4 GCSE lessons  <b>Contains:</b> Four lessons, teaching plans and worksheets  <b>Concepts covered:</b> waves, graph skills and heat transfer</p>	<p><b>Planetary Mini-Project</b>  <b>Subject: Maths</b>  <b>Aimed at:</b> KS4 GCSE lessons  <b>Contents:</b> Three lessons, teaching plan, worksheets  <b>Concepts covered:</b> Graph work, Density, Geometry, Standard Form and Proportion</p>	<p><b>What is the inside of the Earth Like?</b>  <b>Subject: Science</b>  <b>Aimed at:</b> KS3, 2-hour workshop  <b>Contents:</b> Summary, workshop script, experiment instructions, power point, student handouts  <b>Concepts covered:</b> Temperature in the particle model, sound, heat transfer, structure of the Earth, interpreting observations and data.</p>
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